

FIGURE 1

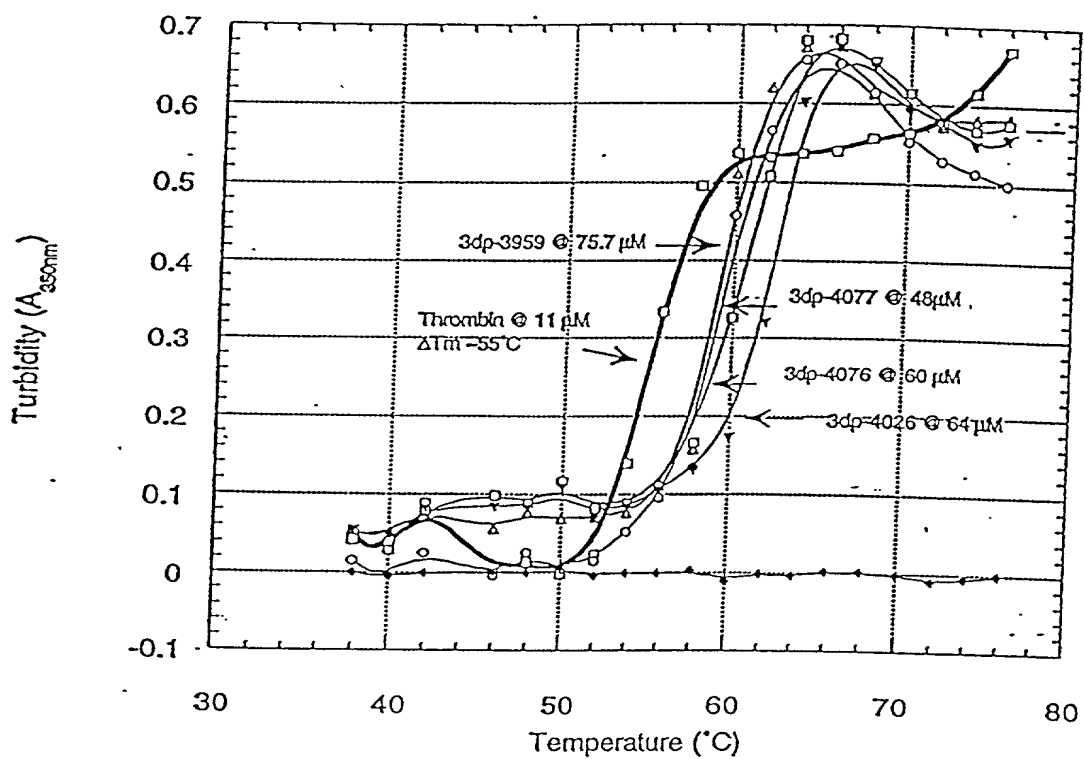


FIGURE 2

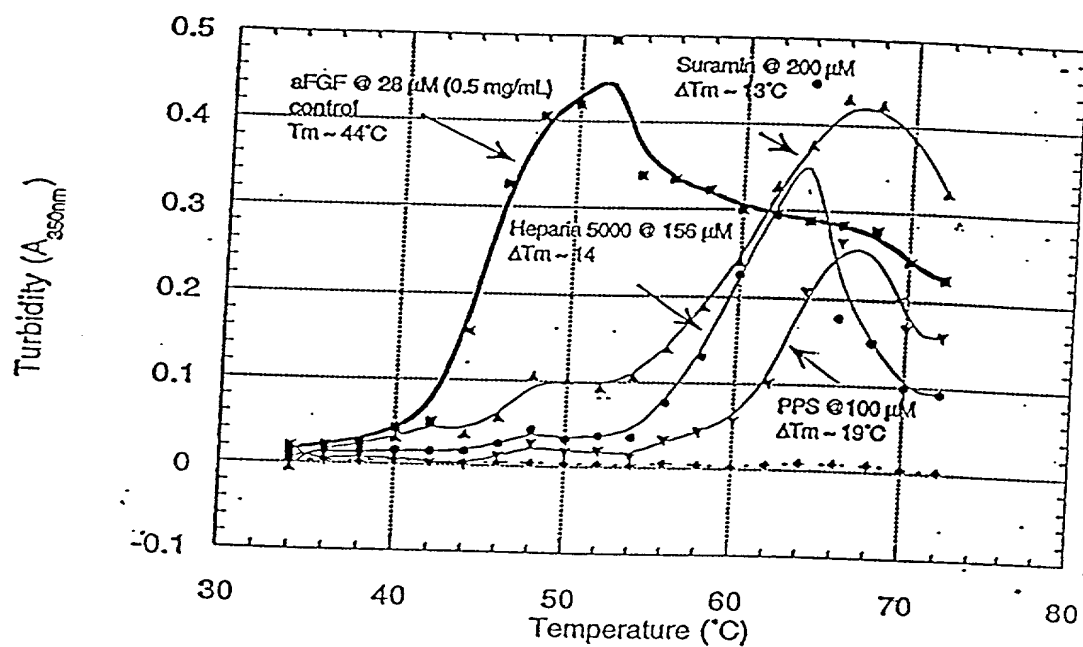


FIGURE 3

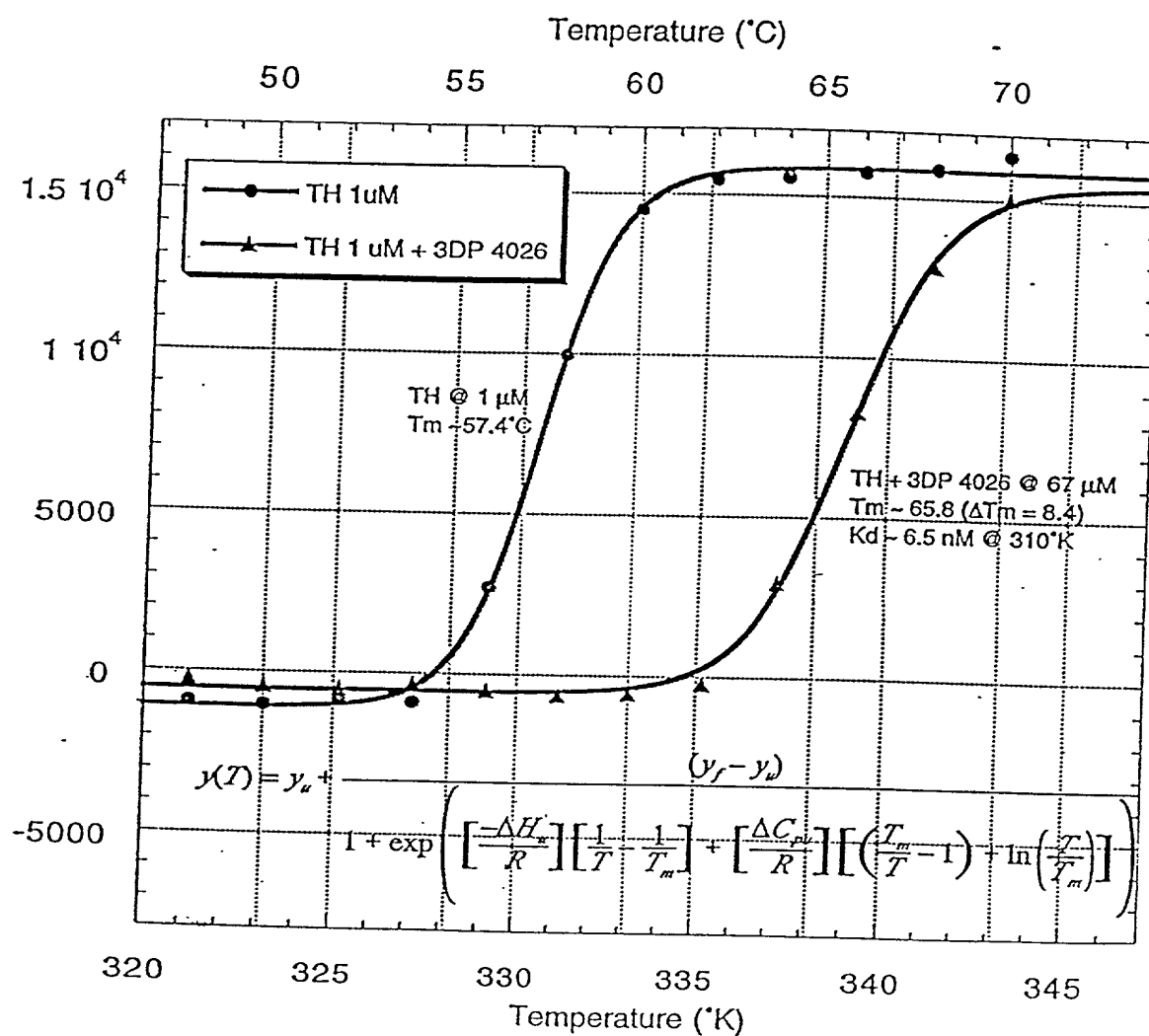


FIGURE 4

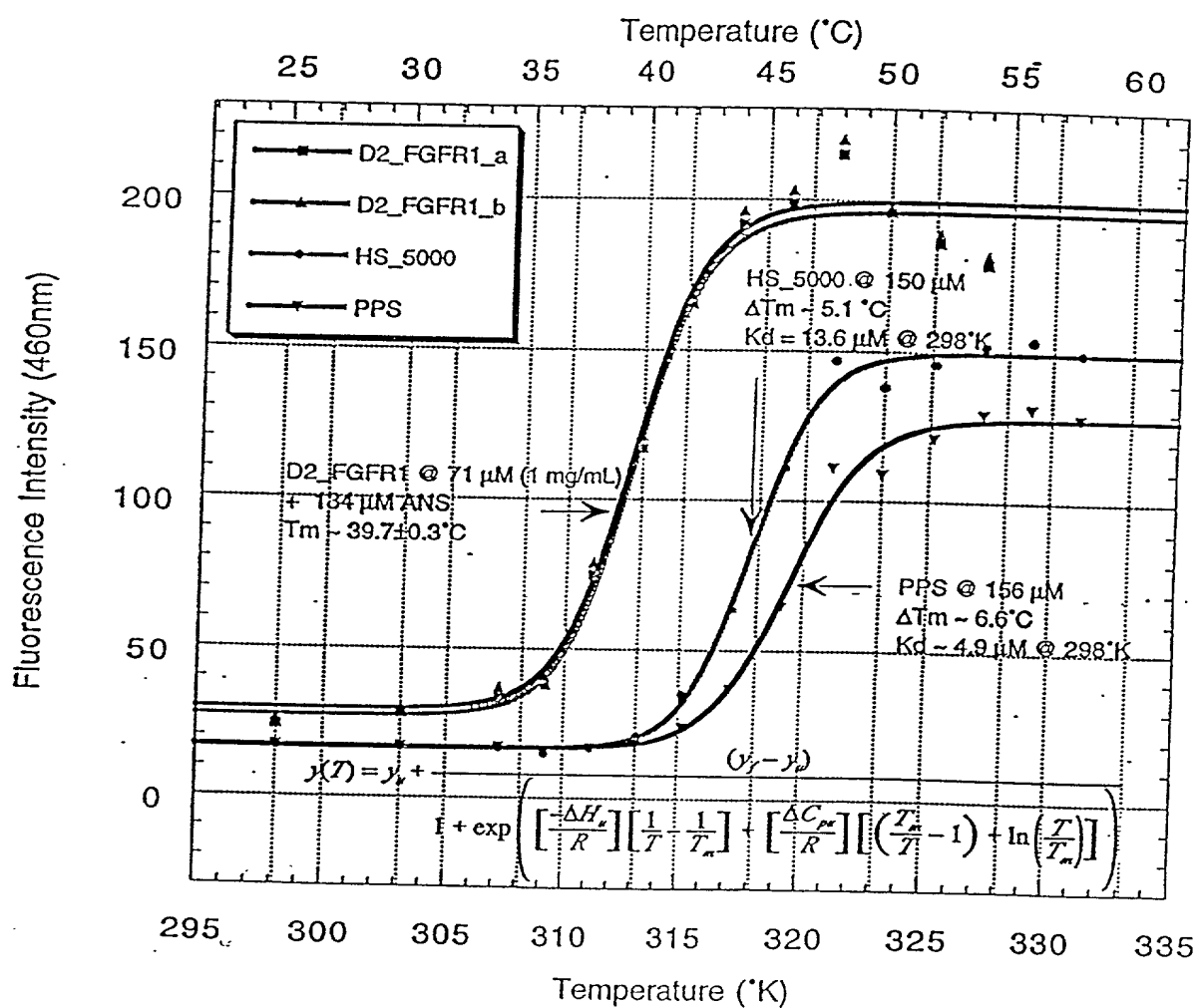


FIGURE 5

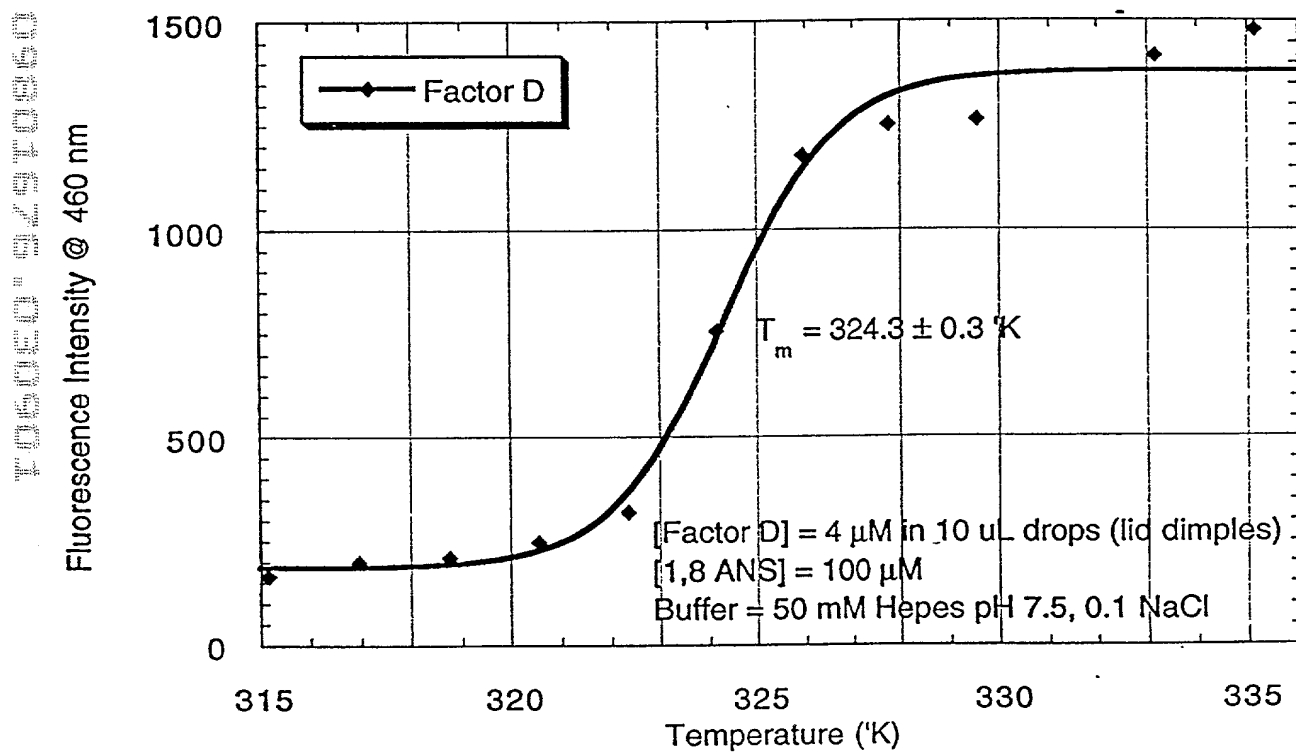


FIGURE 6

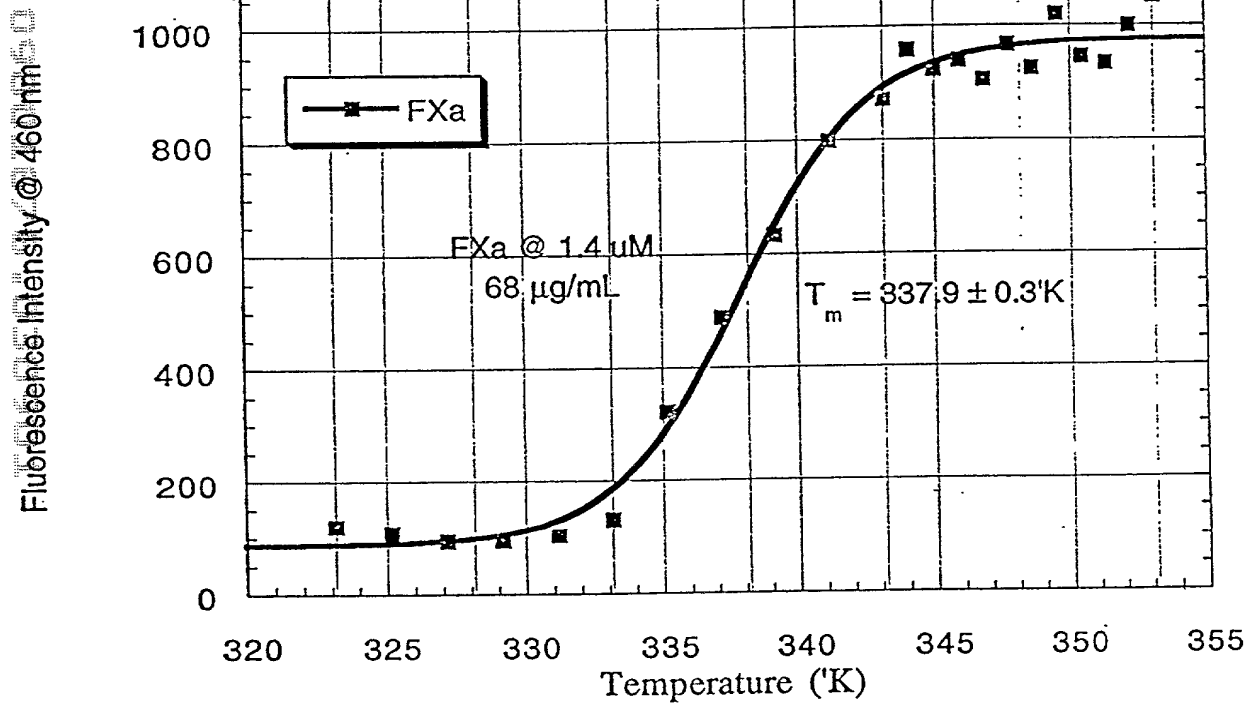
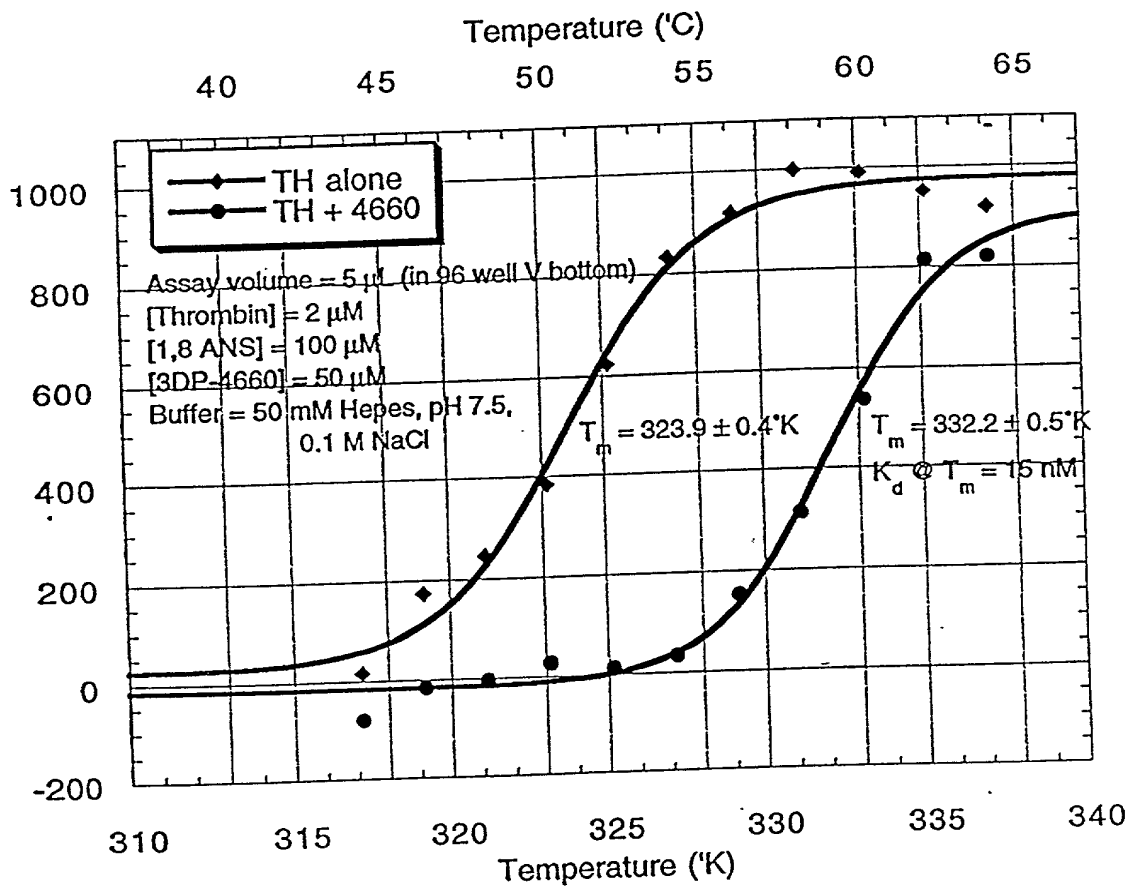


FIGURE 7



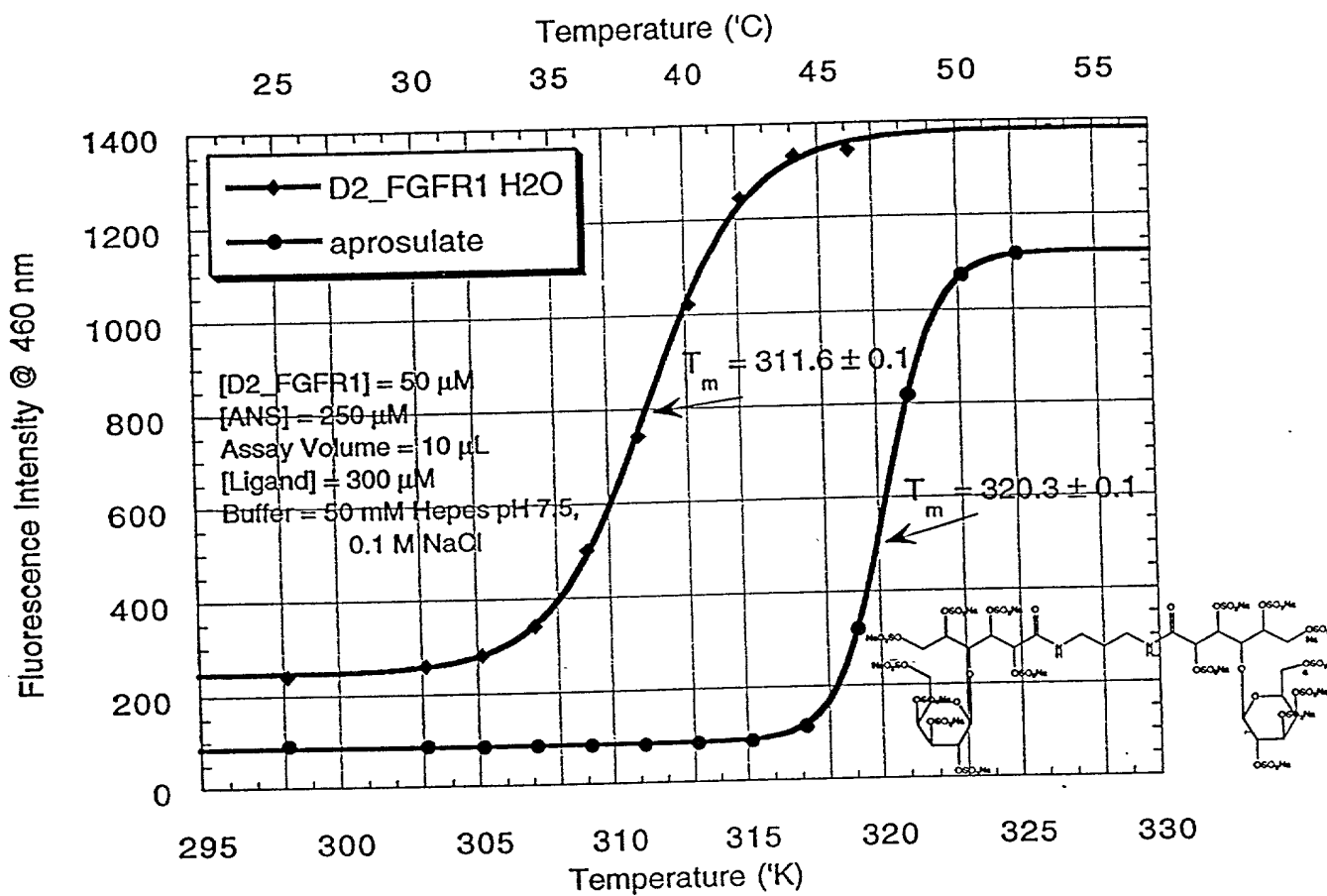
[illegible]

FIGURE 9

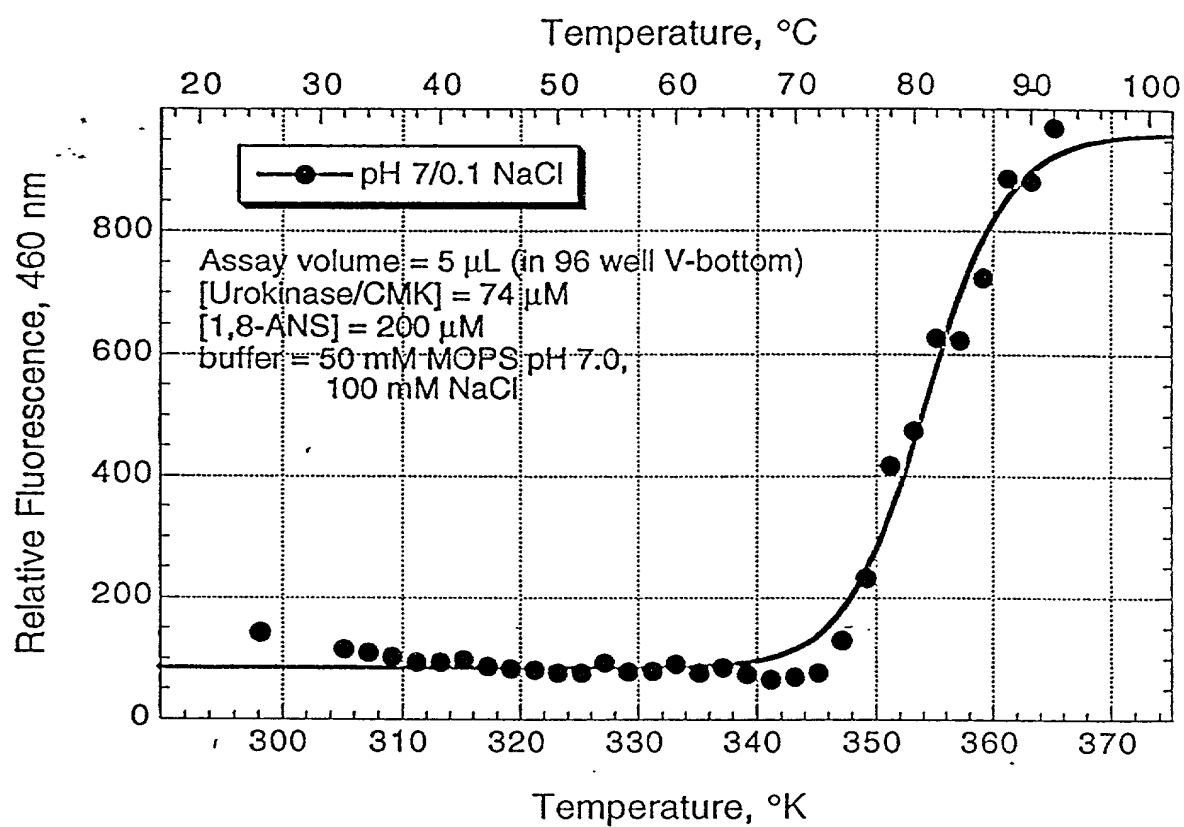
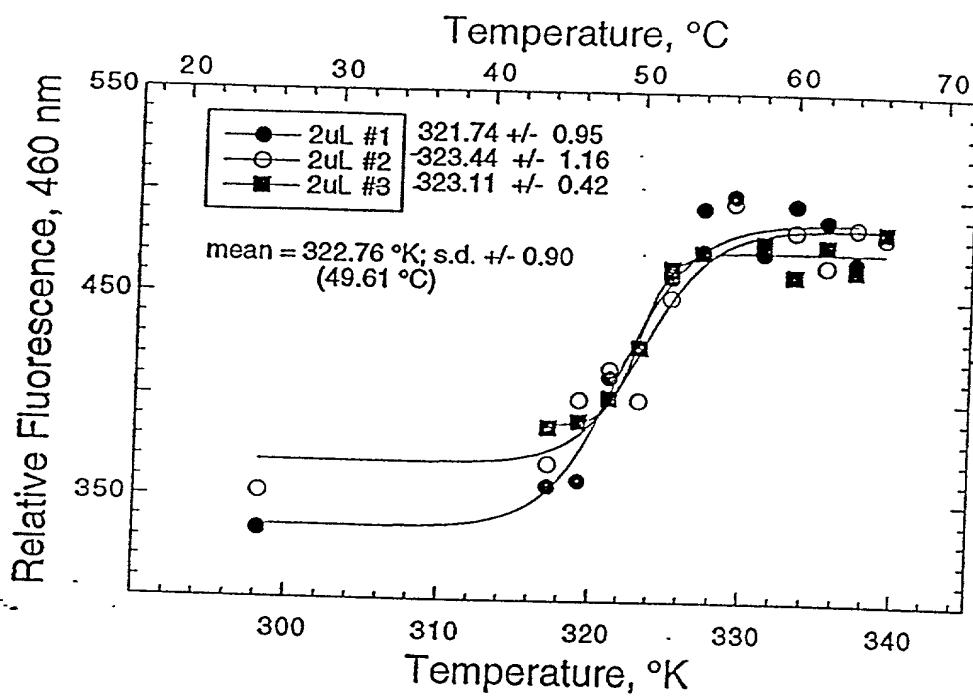


FIGURE 10



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FIGURE 11

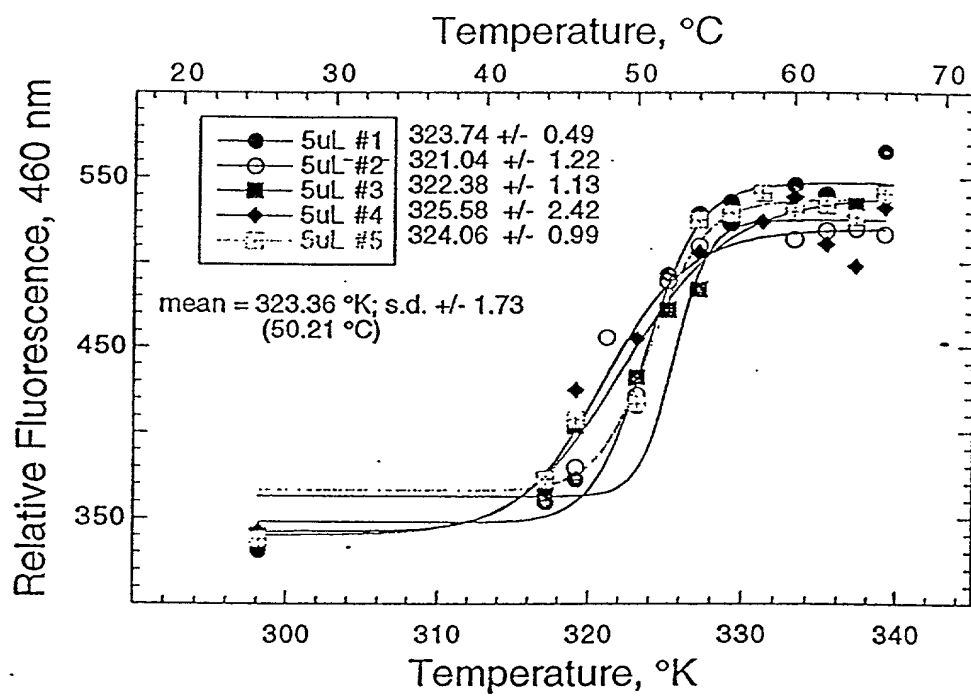


FIGURE 12

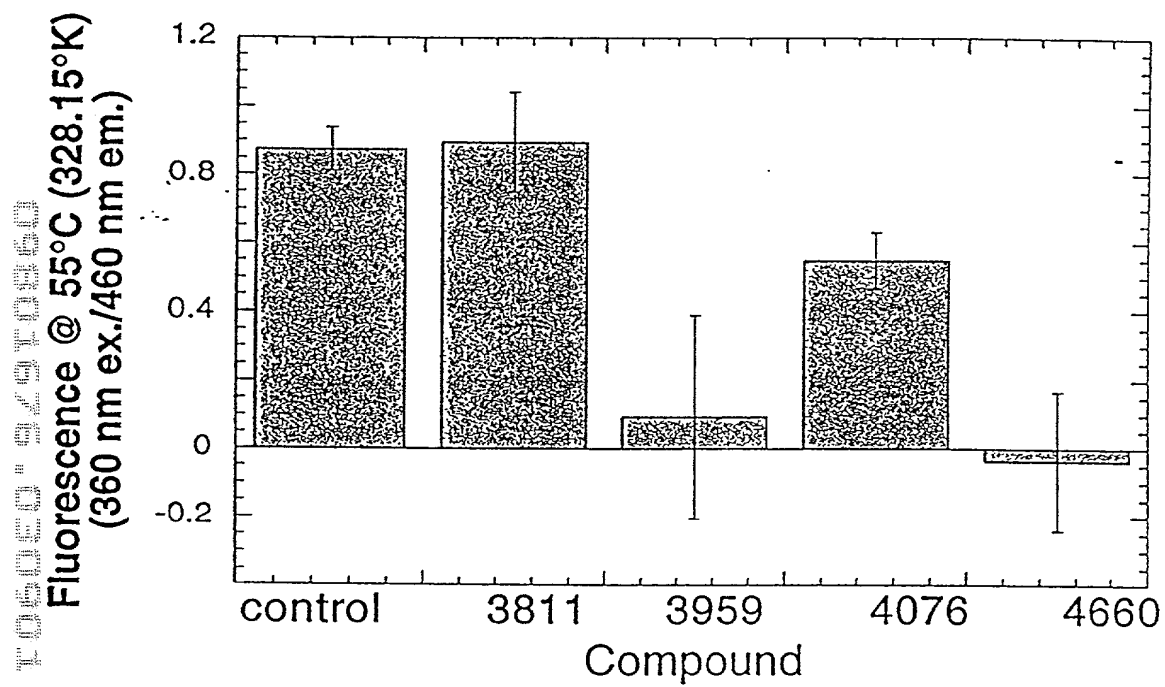


FIGURE 1.3

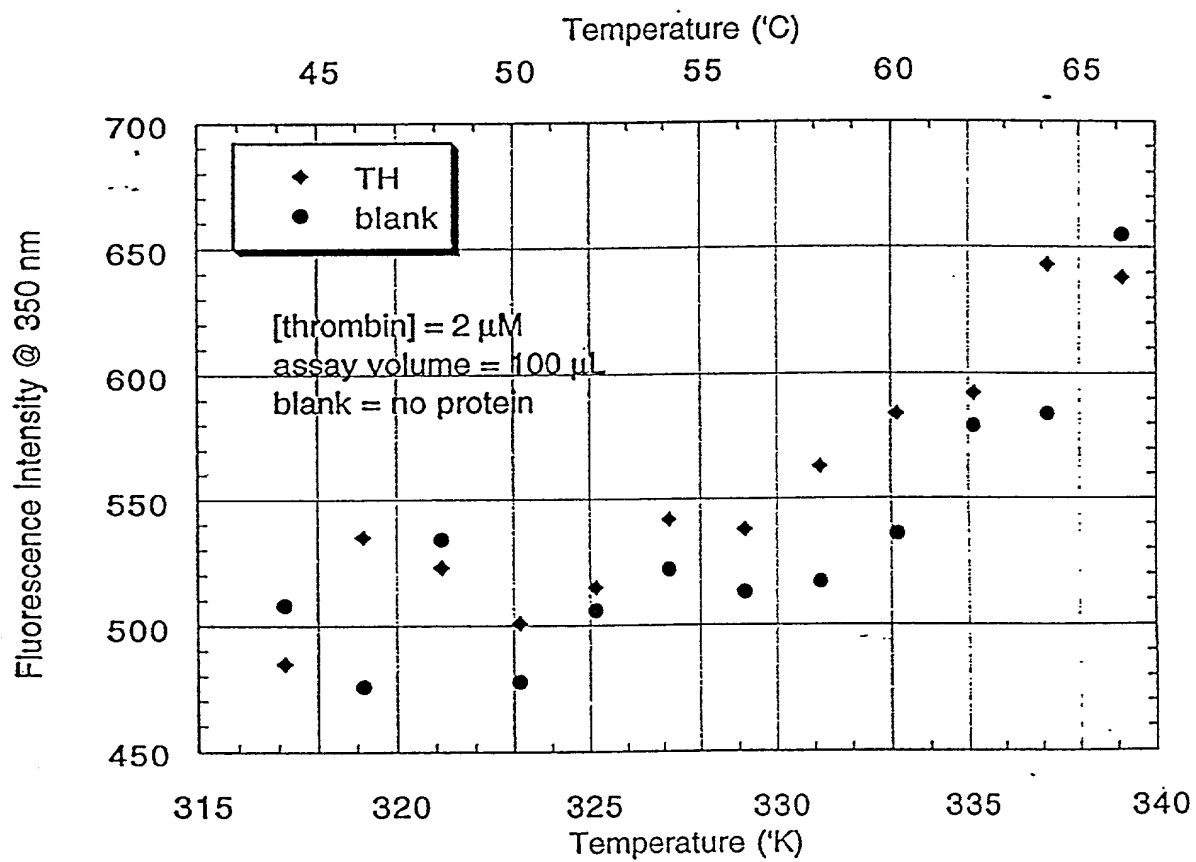


FIGURE 14

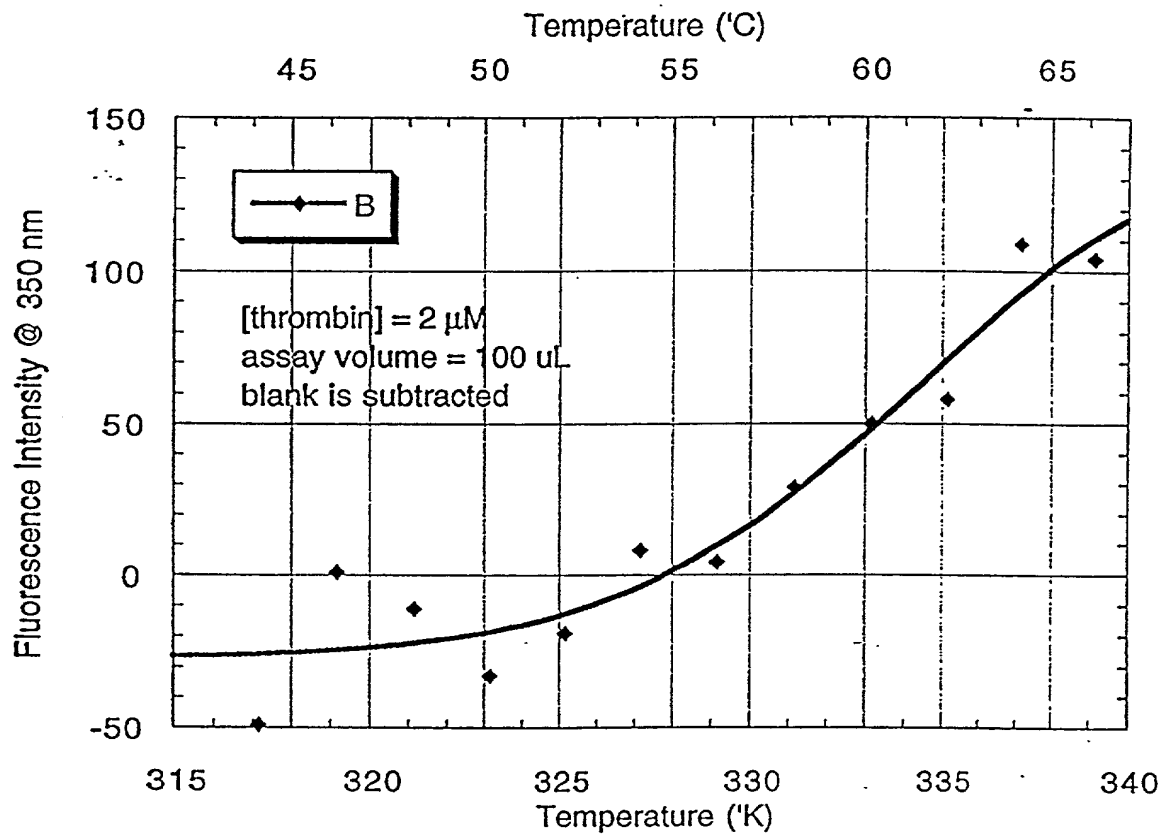


FIGURE 15

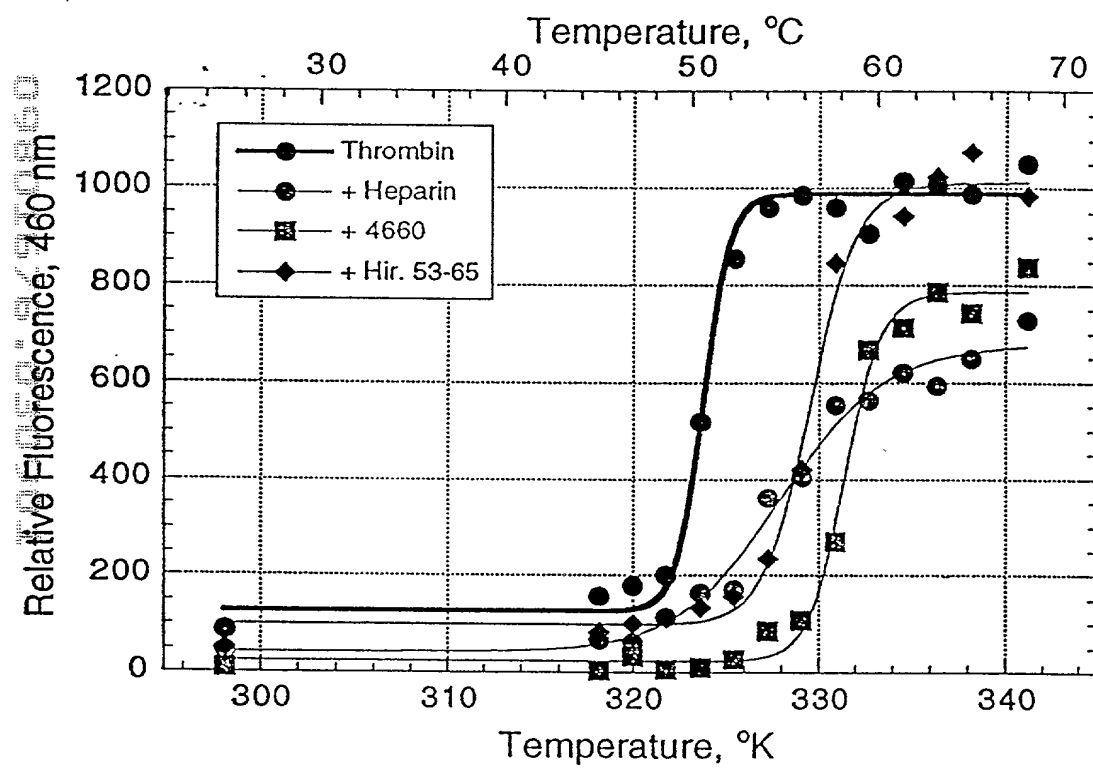


FIGURE 16

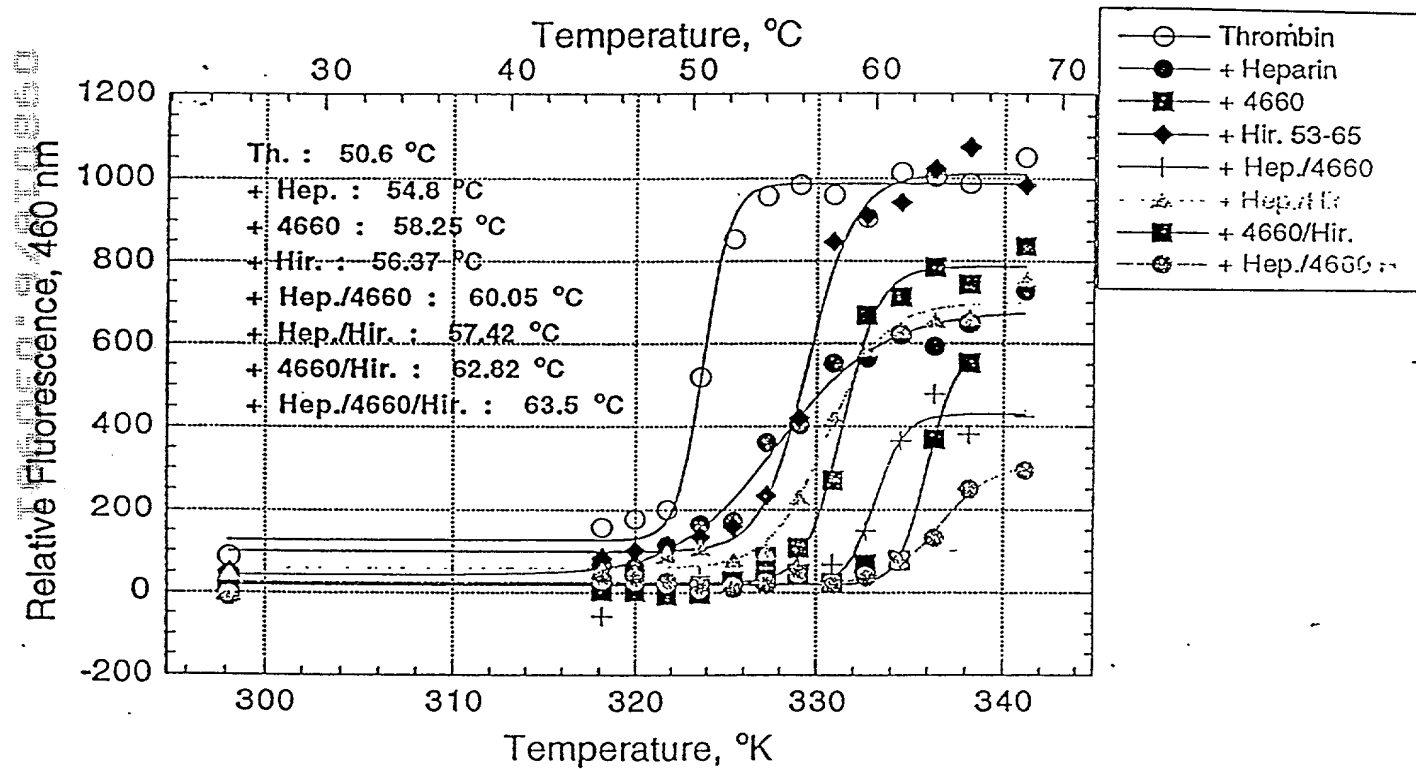


FIG. 17A

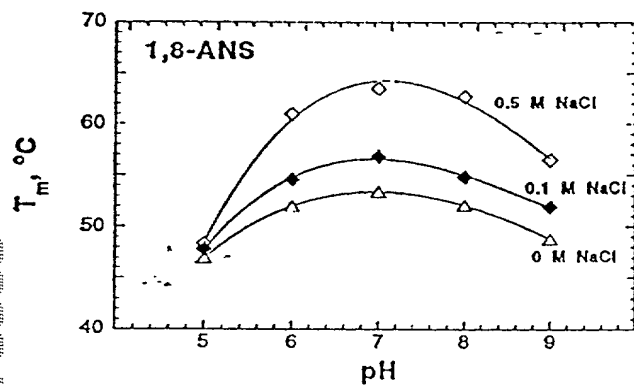


FIG. 17B

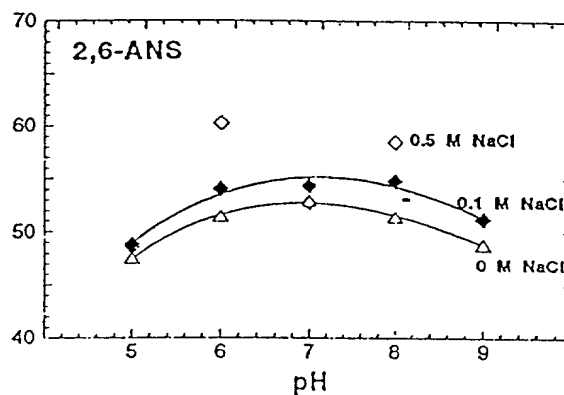


FIG. 17C

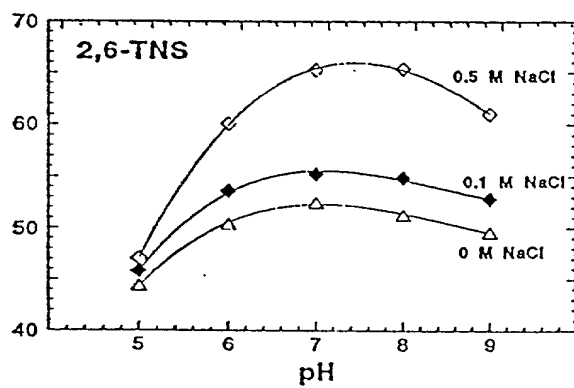


FIG. 17D

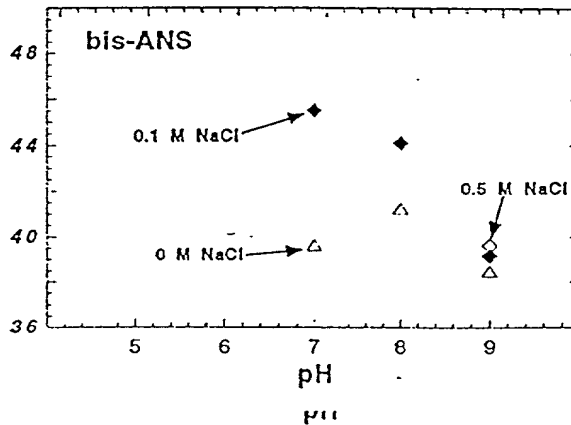


FIGURE 18

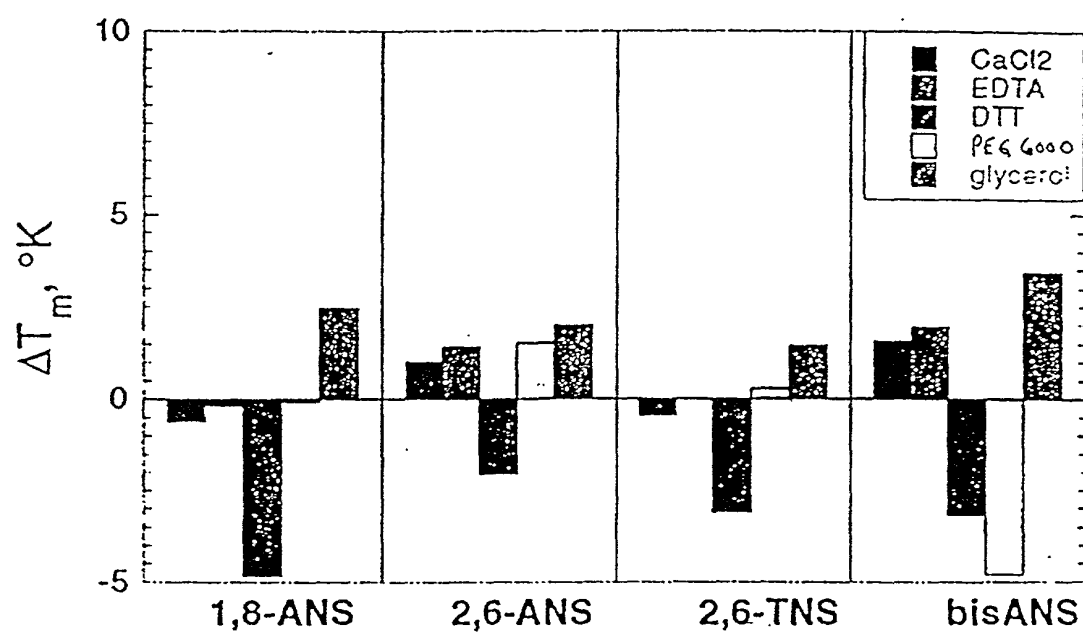


FIGURE 19

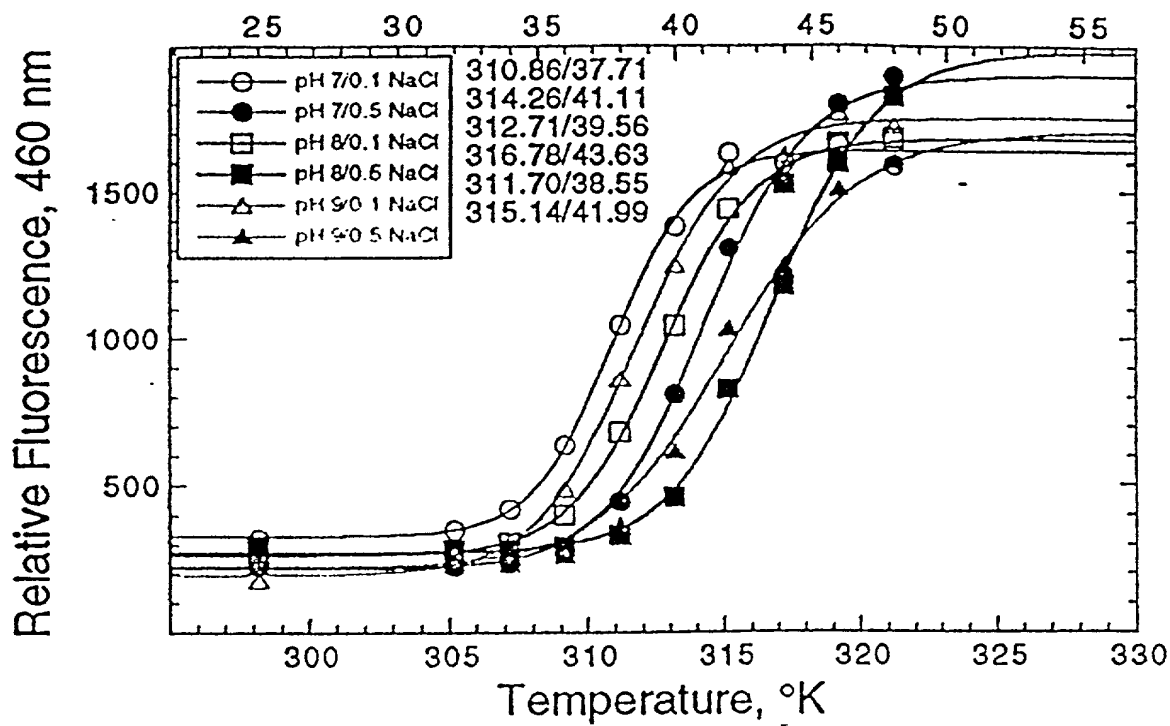


FIGURE 20

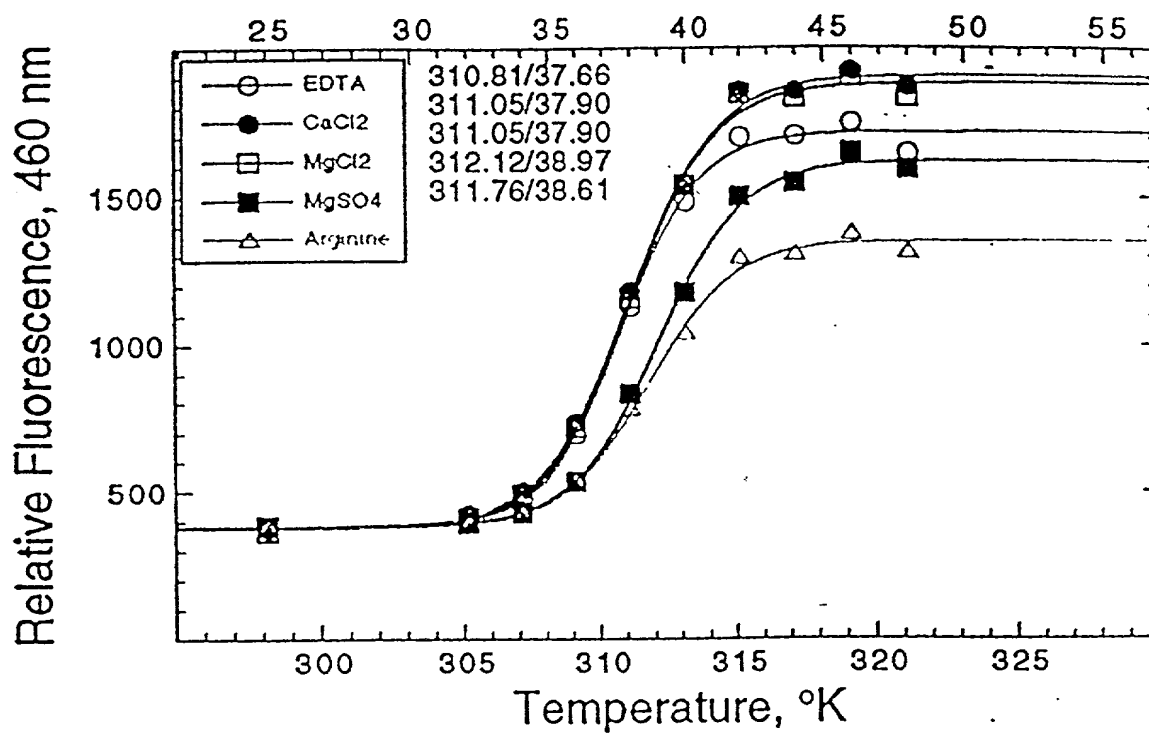
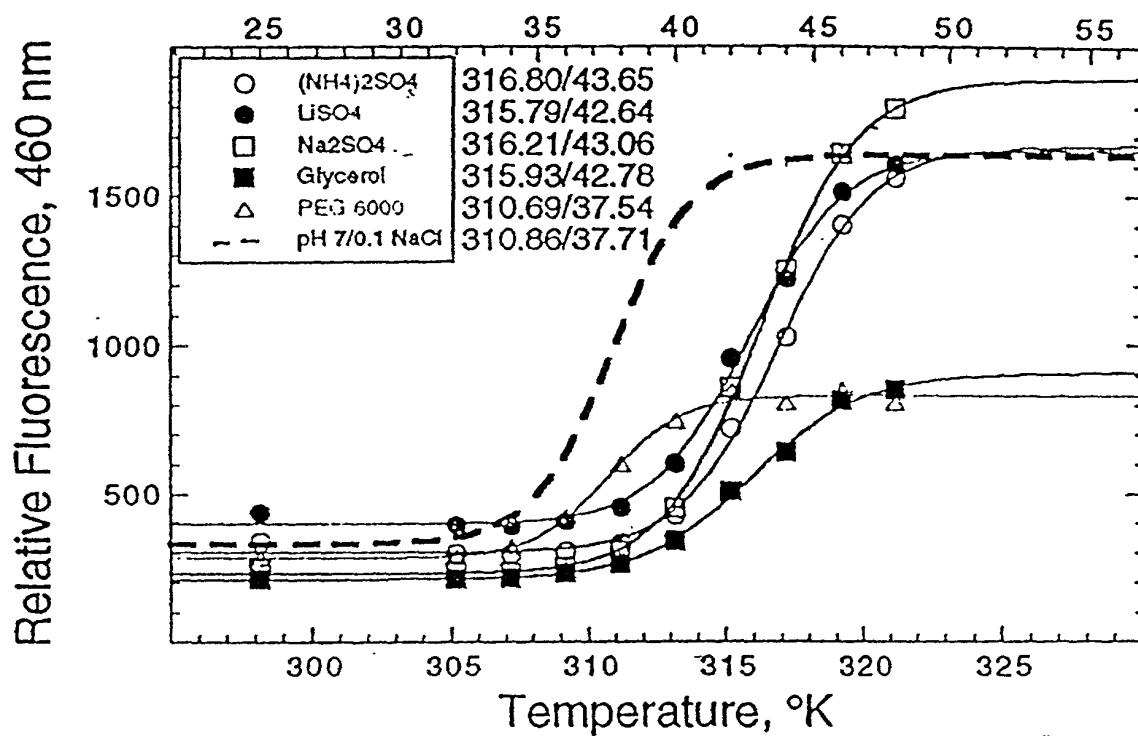


FIGURE 21



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FIGURE 22

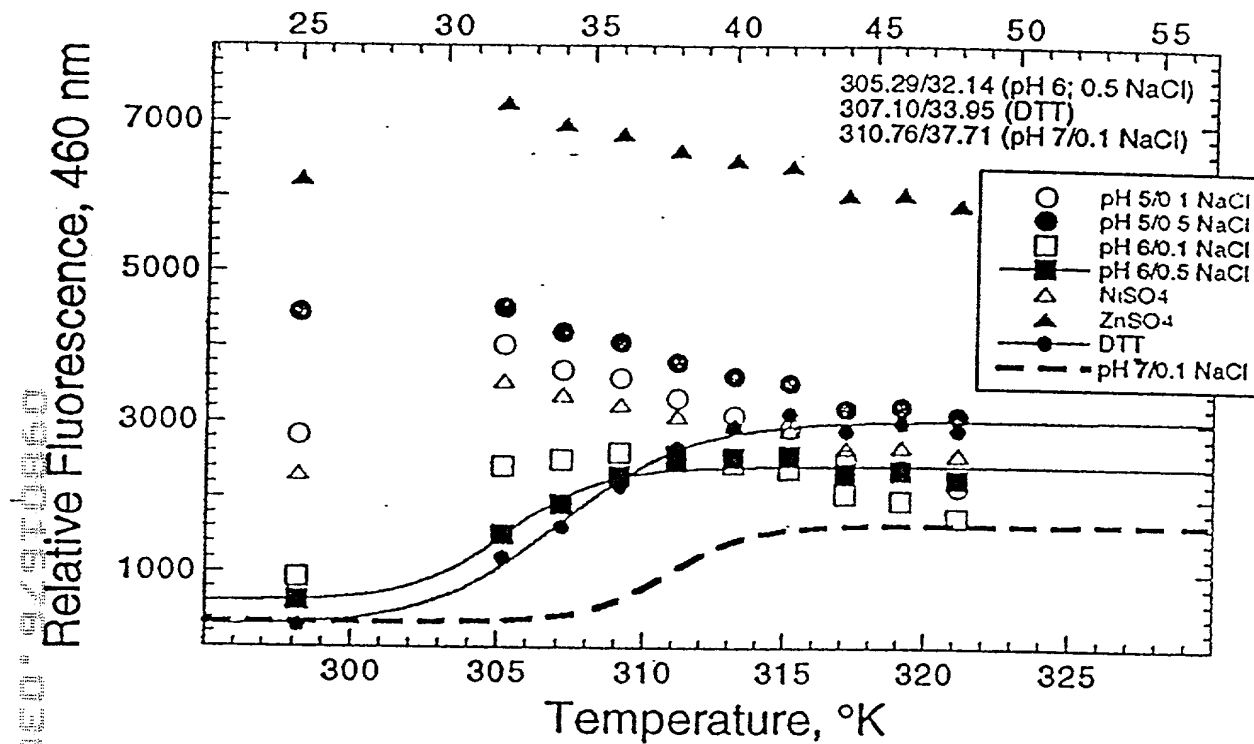


FIGURE 23

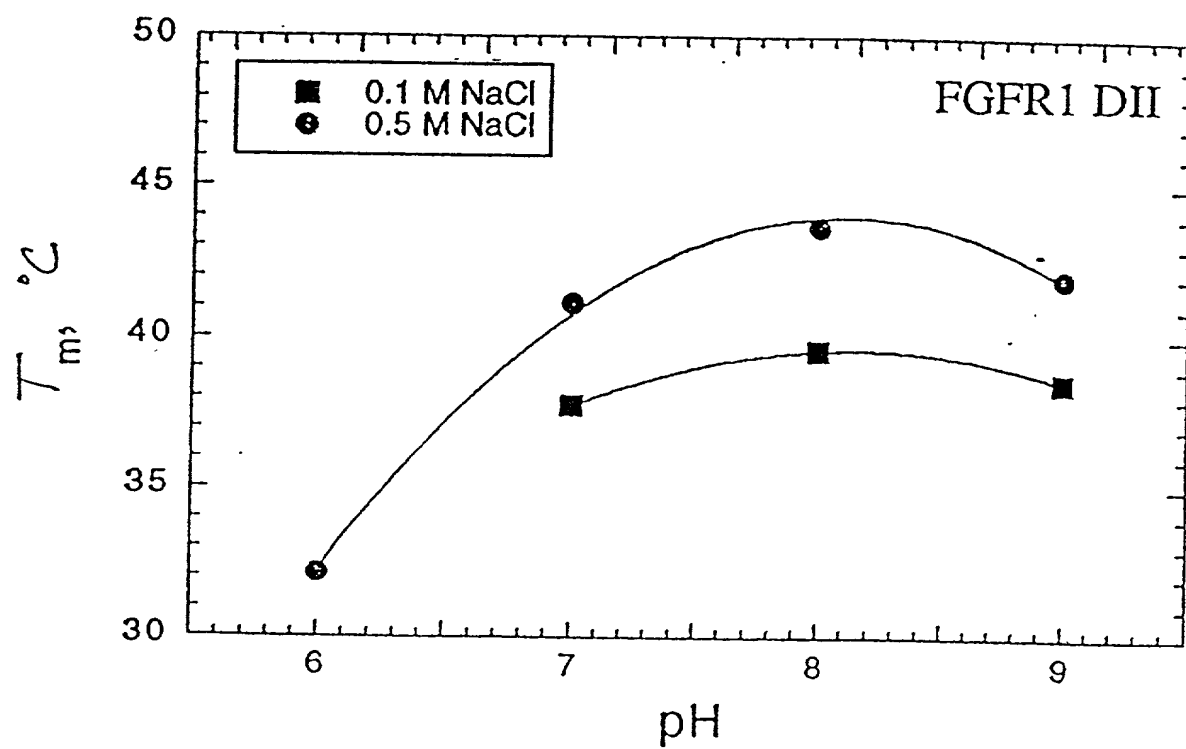


FIGURE 24

FGFR1 DII

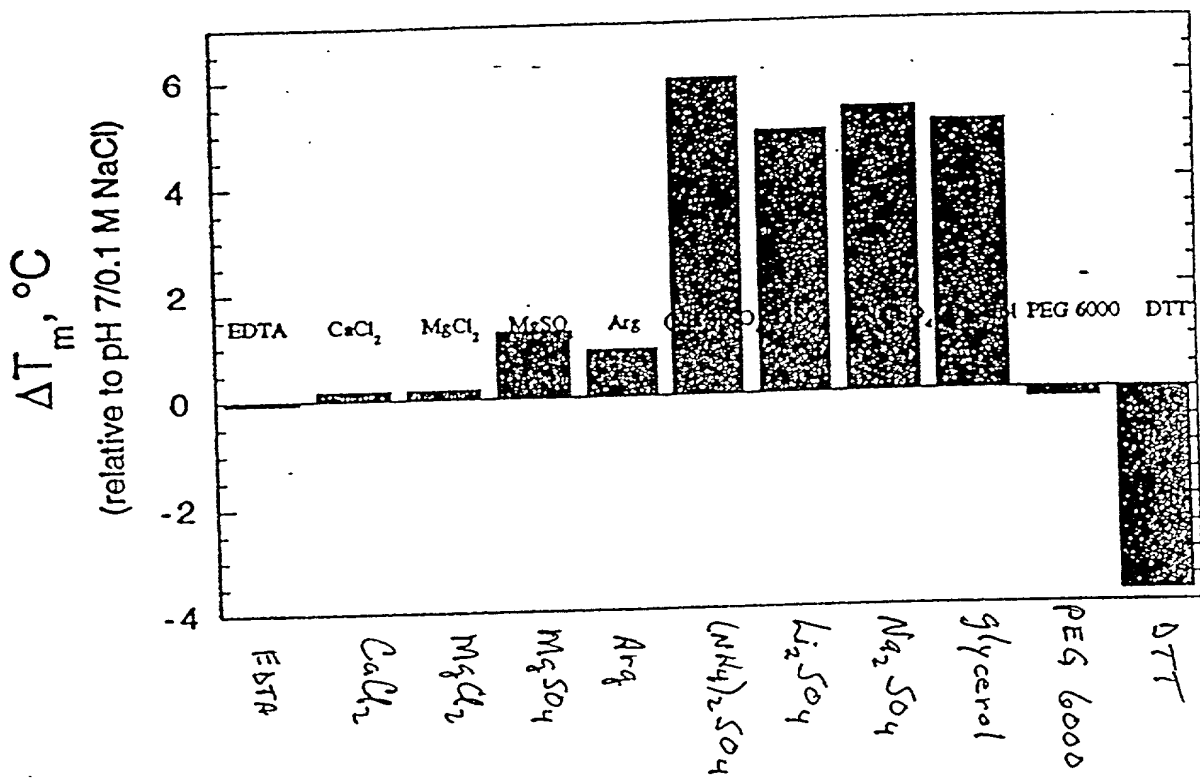


FIGURE 25

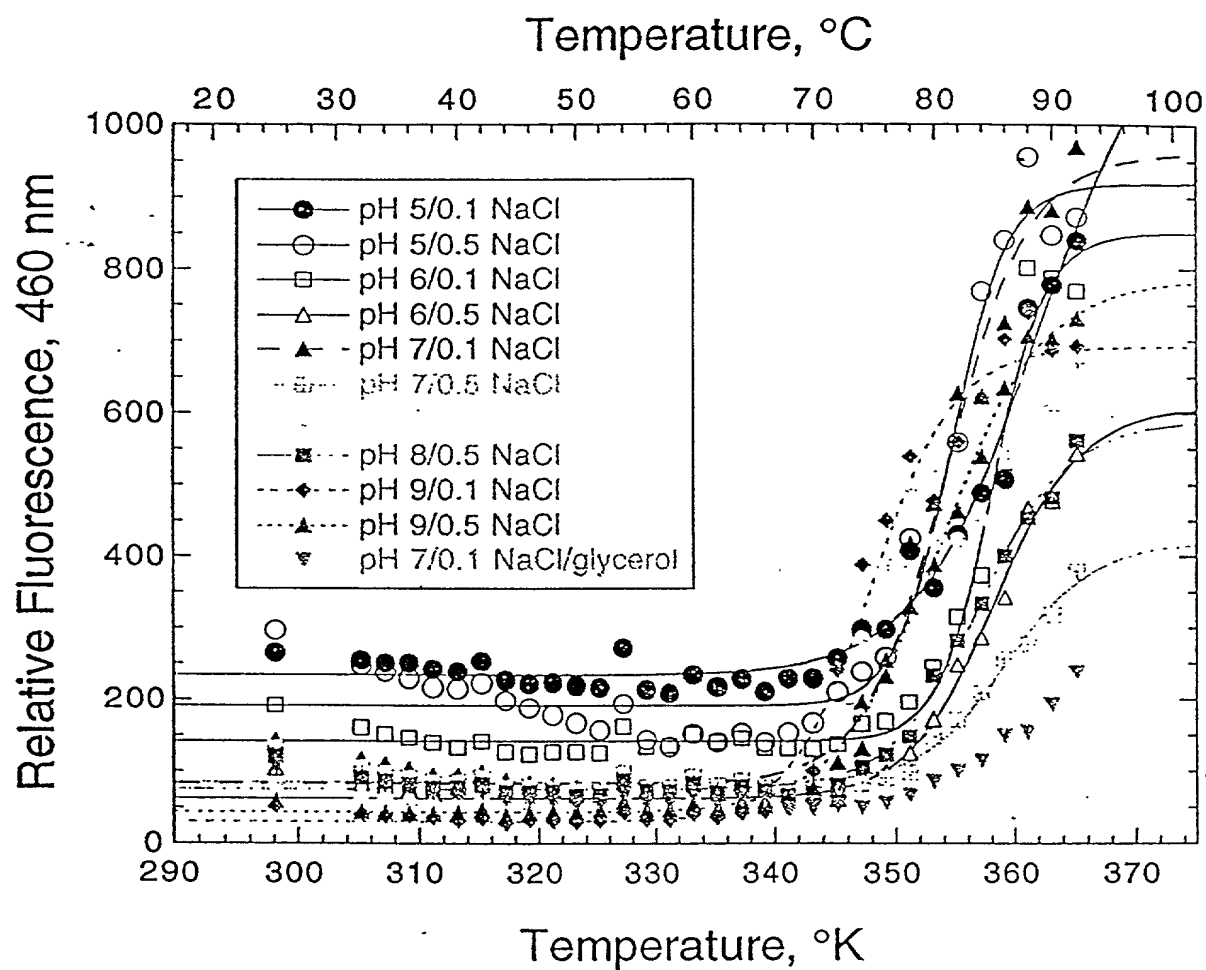
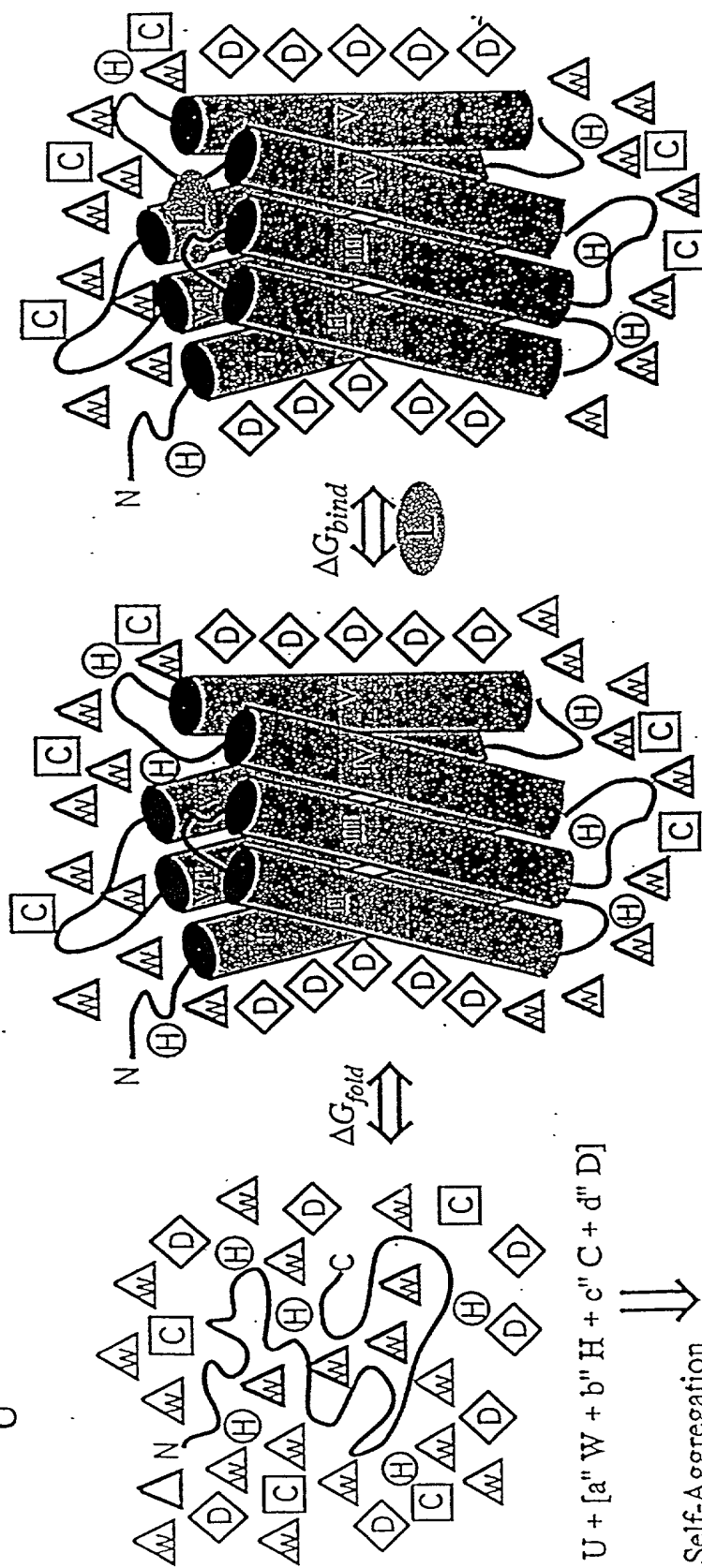


FIGURE 26

Unfolded State U Native State N Native-Ligand Complex $N'L'$

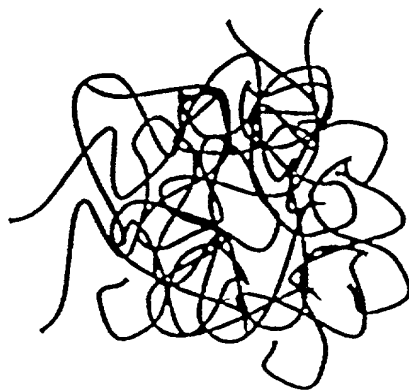


$$N + L + [a' W + b' H + c' C + d' D] \rightleftharpoons N'L' + [a' W + b' H + c' C + d' D]$$

$$N + L + [a W + b H + c C + d D]$$

$$\Delta G_{fold} = \Delta G_{conf} + \sum_i \Delta g_{i,int} + \sum_i \Delta g_{i,s} + \Delta W_{el} + (\Delta G_{bind})$$

Legend				
	=	Water Molecules		
	=	Ionizable Protons		
	=	Counterions or Hofmeister Salts		
	=	Detergent or Lipid Molecules		



Self-Aggregation

FIGURE 27

Tagged Denatured Protein

Denaturant: 6 M Gdn-HCl
8 M Urea
0.2% SDS

Reducing Agents: DTT, or β ME

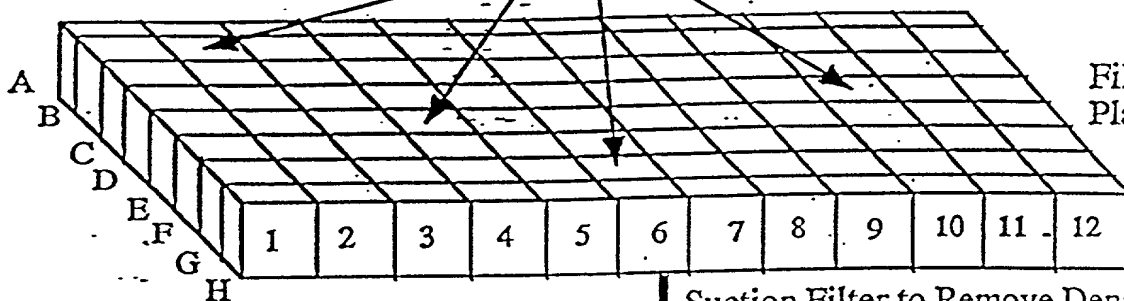
H-H-H-H-H-H

R-R-R-R-R-R

Ni²⁺ NTA Resin (Novagen)

or
Heparin Sepharose
(Pharmacia Biotech)

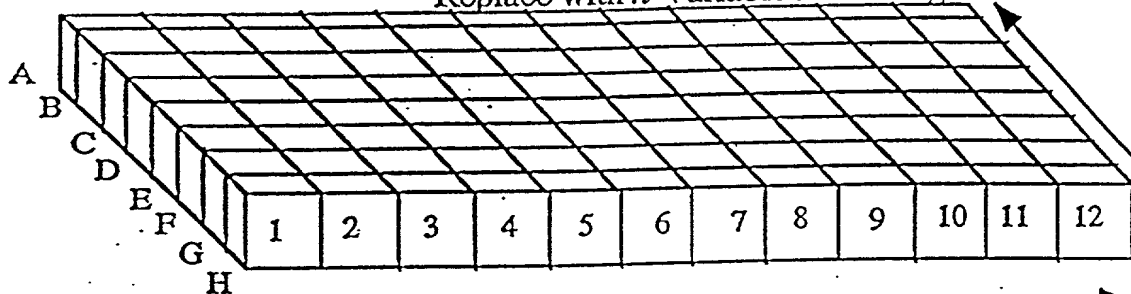
Filter Screen
Plate (Millipore)



Suction Filter to Remove Denaturant

Microplate Protein Folding

Replace with *n*-Variable Refolding Conditions



Variable X (pH, Temp., Glycerol, Detergent, [Detergent],
Glutathione Redox Buffer, ligand or cofactor. etc.)

Thermal shift Assay

09801676.03601

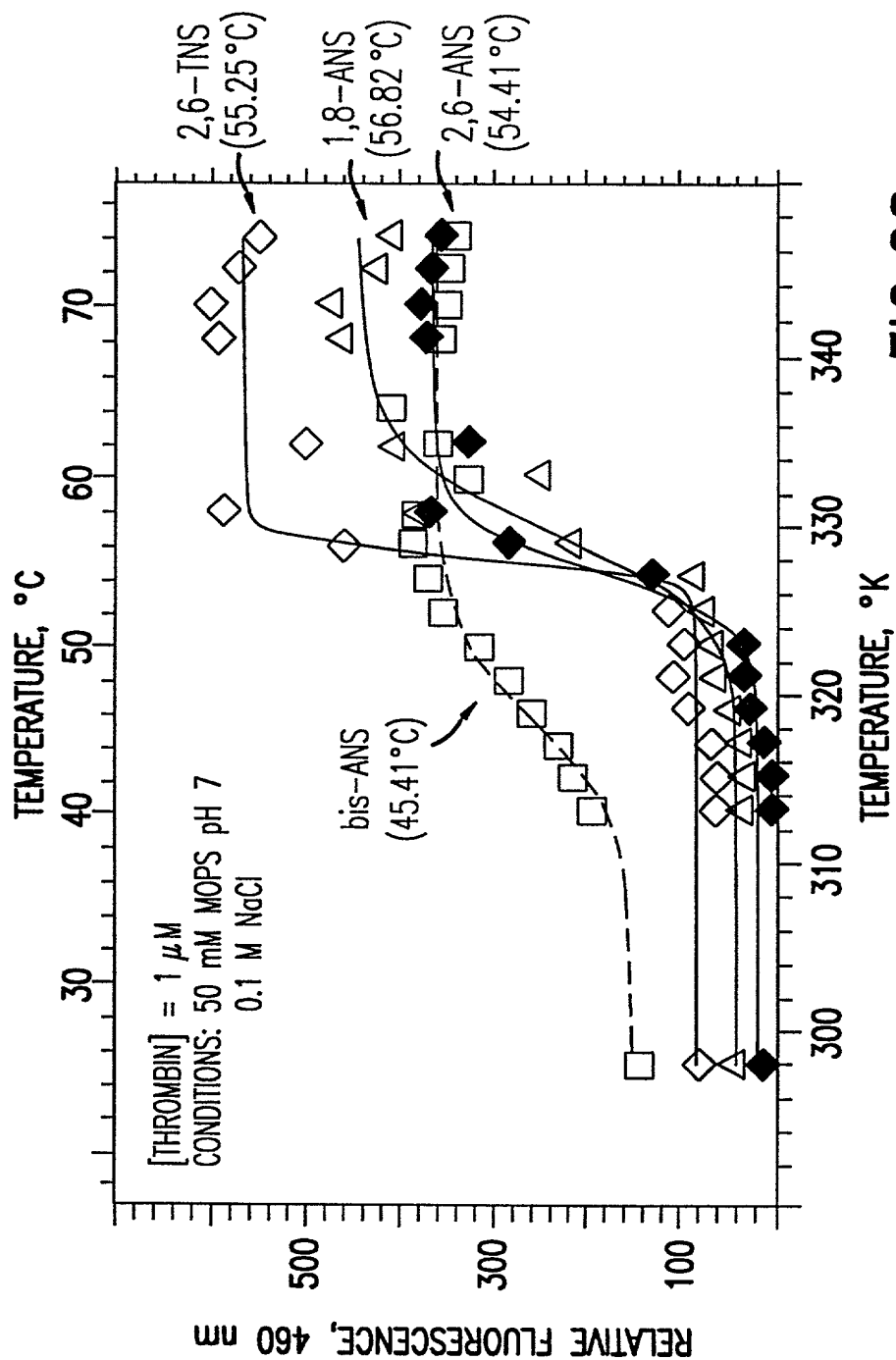


FIG.28

FIG. 29

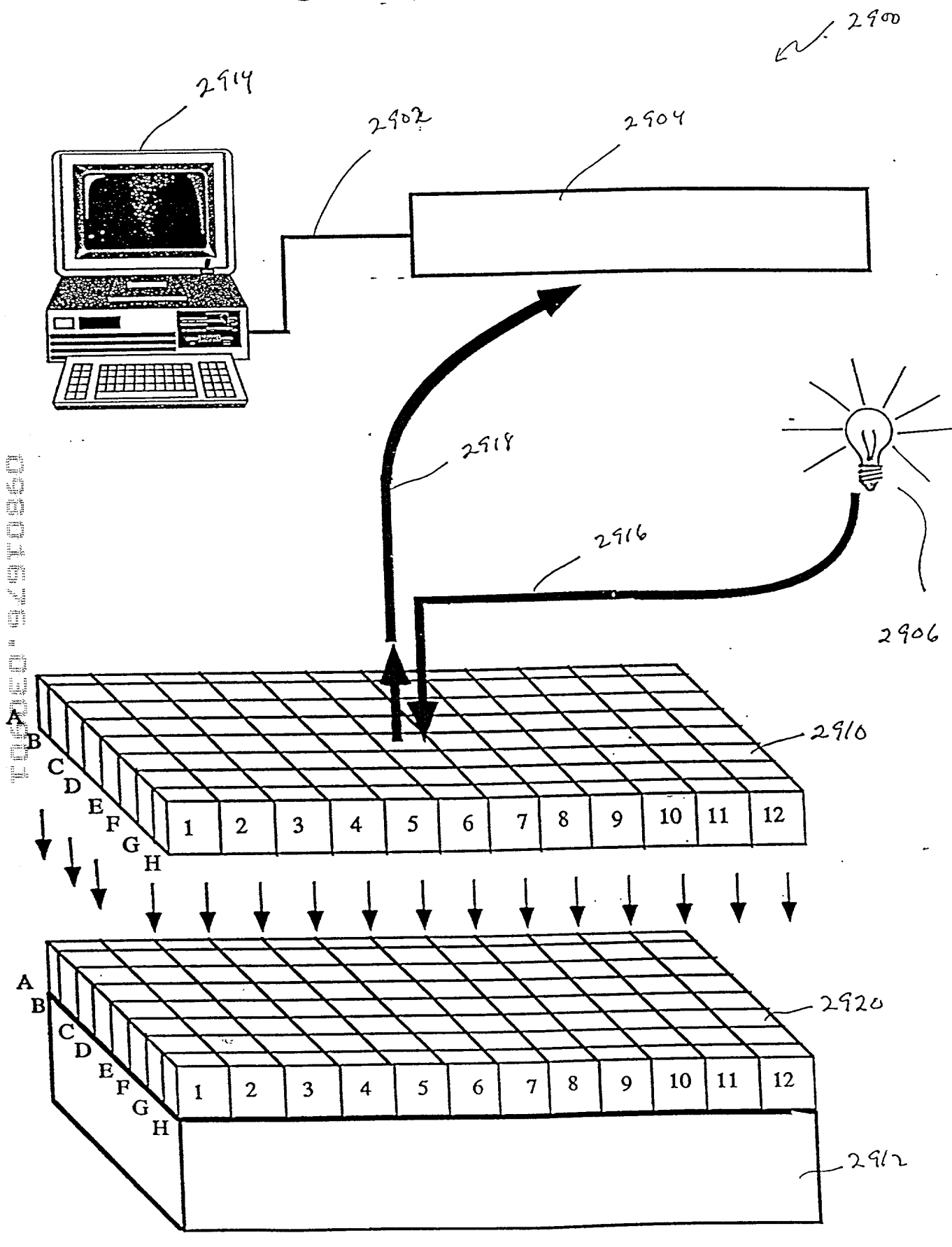


FIG. 30

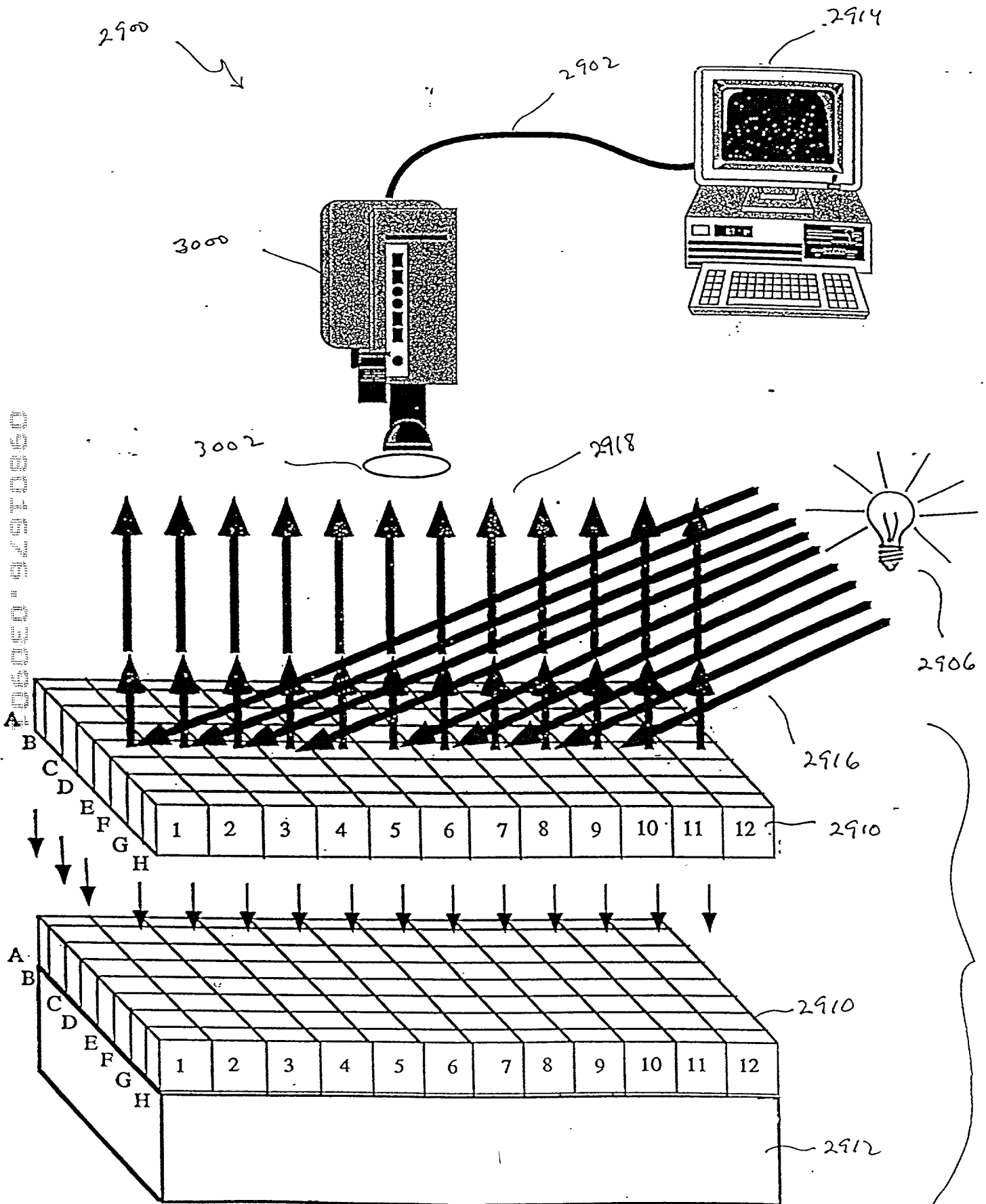
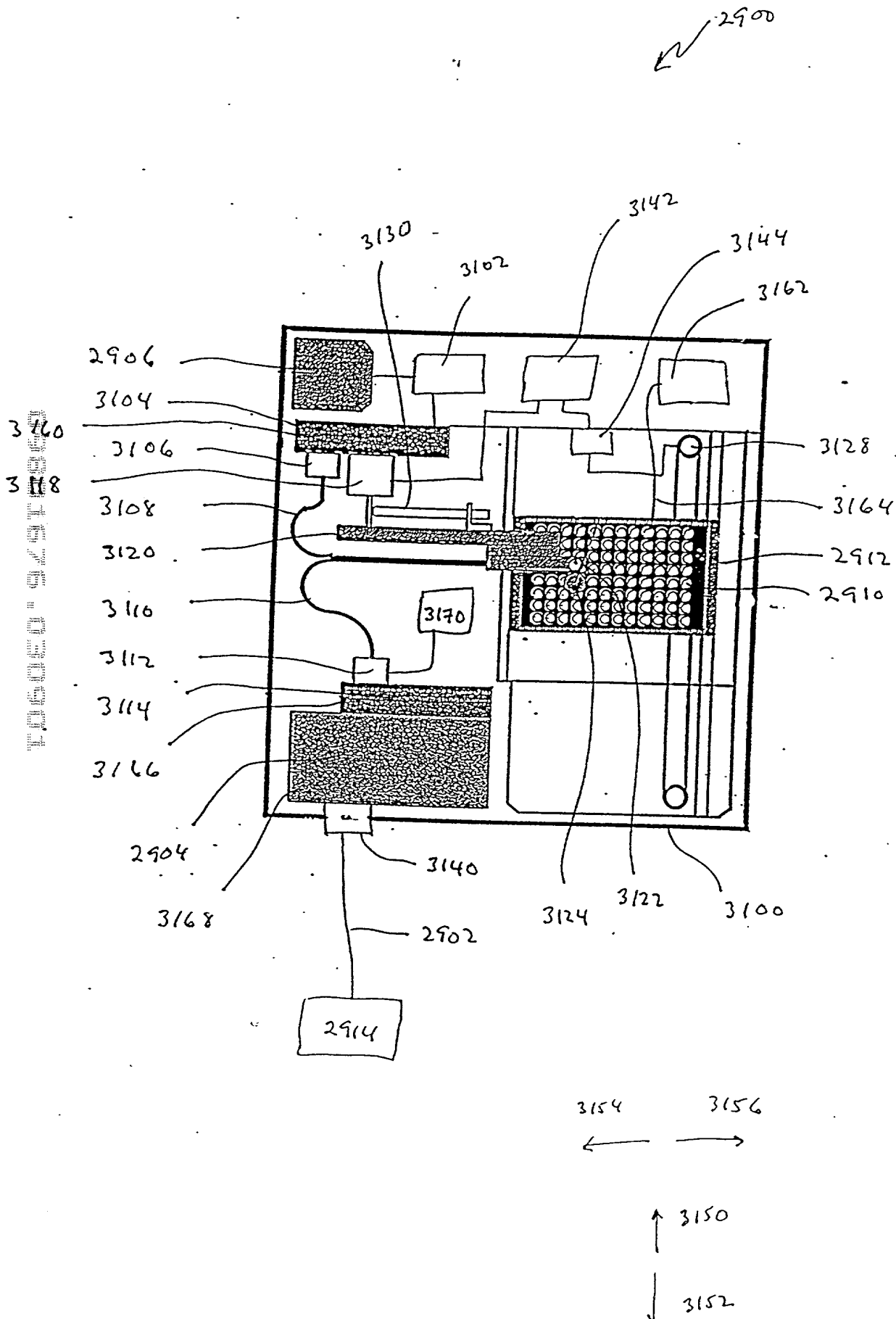


FIG. 31



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FIG. 32A

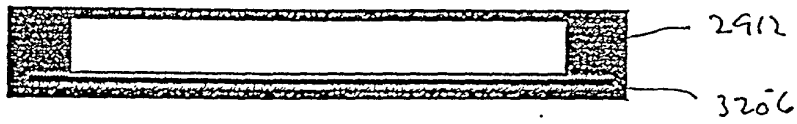


FIG. 32B

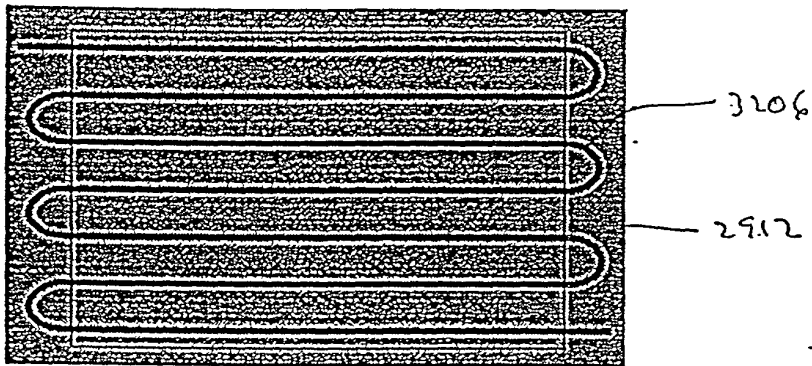


FIG. 32C



FIG. 32D



FIG. 32E



FIG. 33

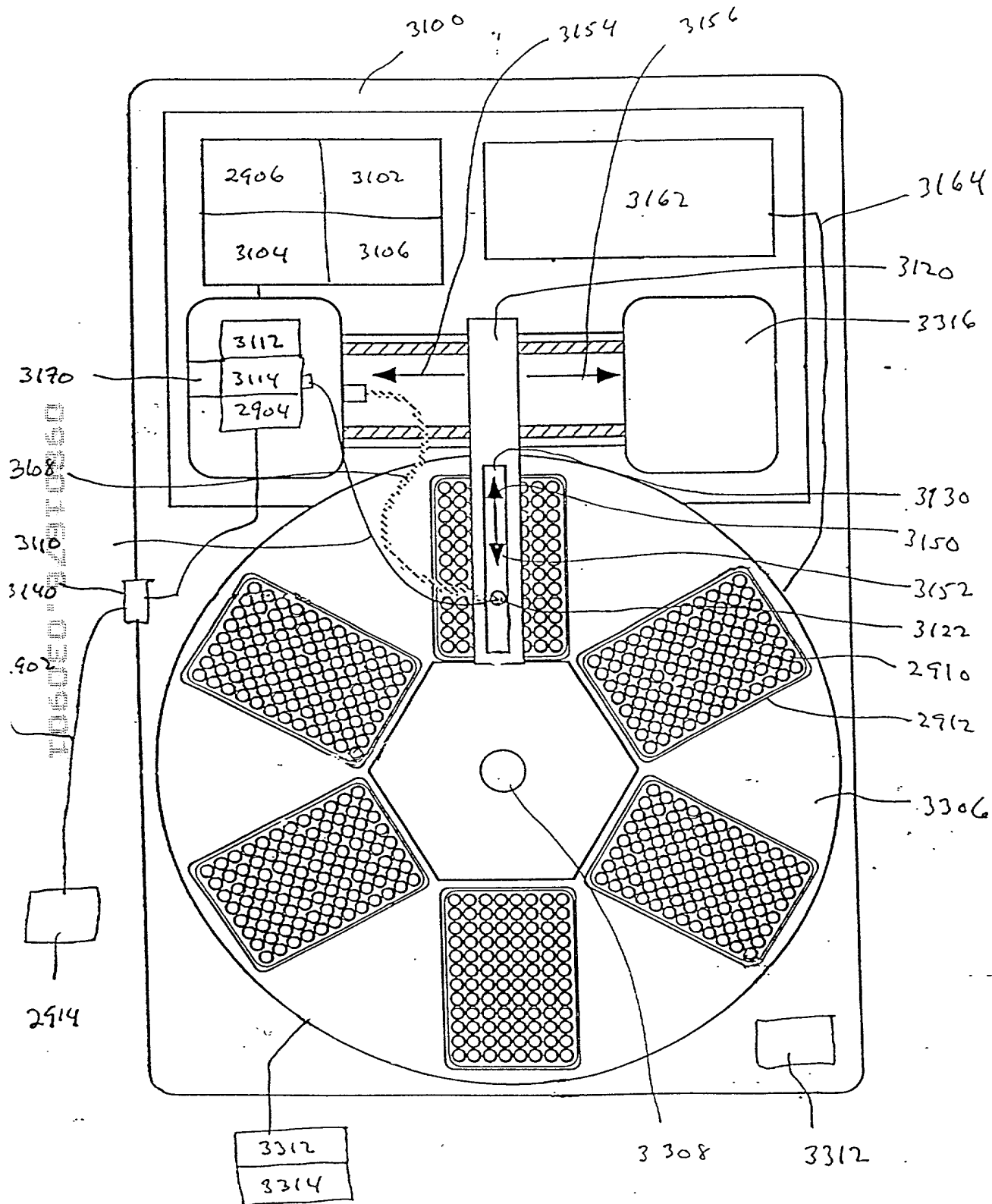
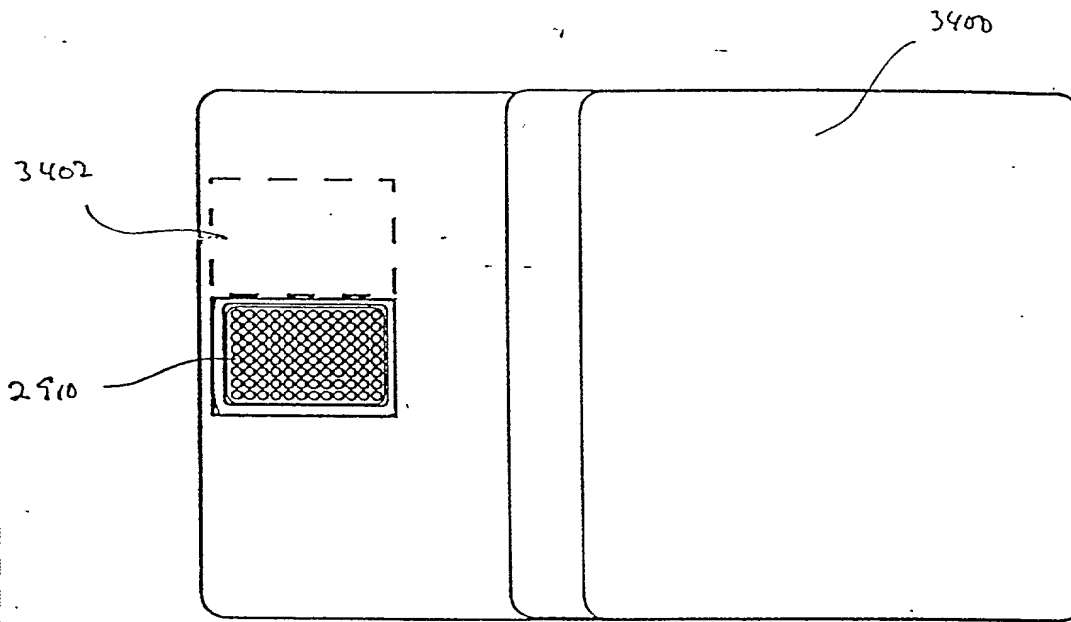


FIG. 34



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FIG. 35

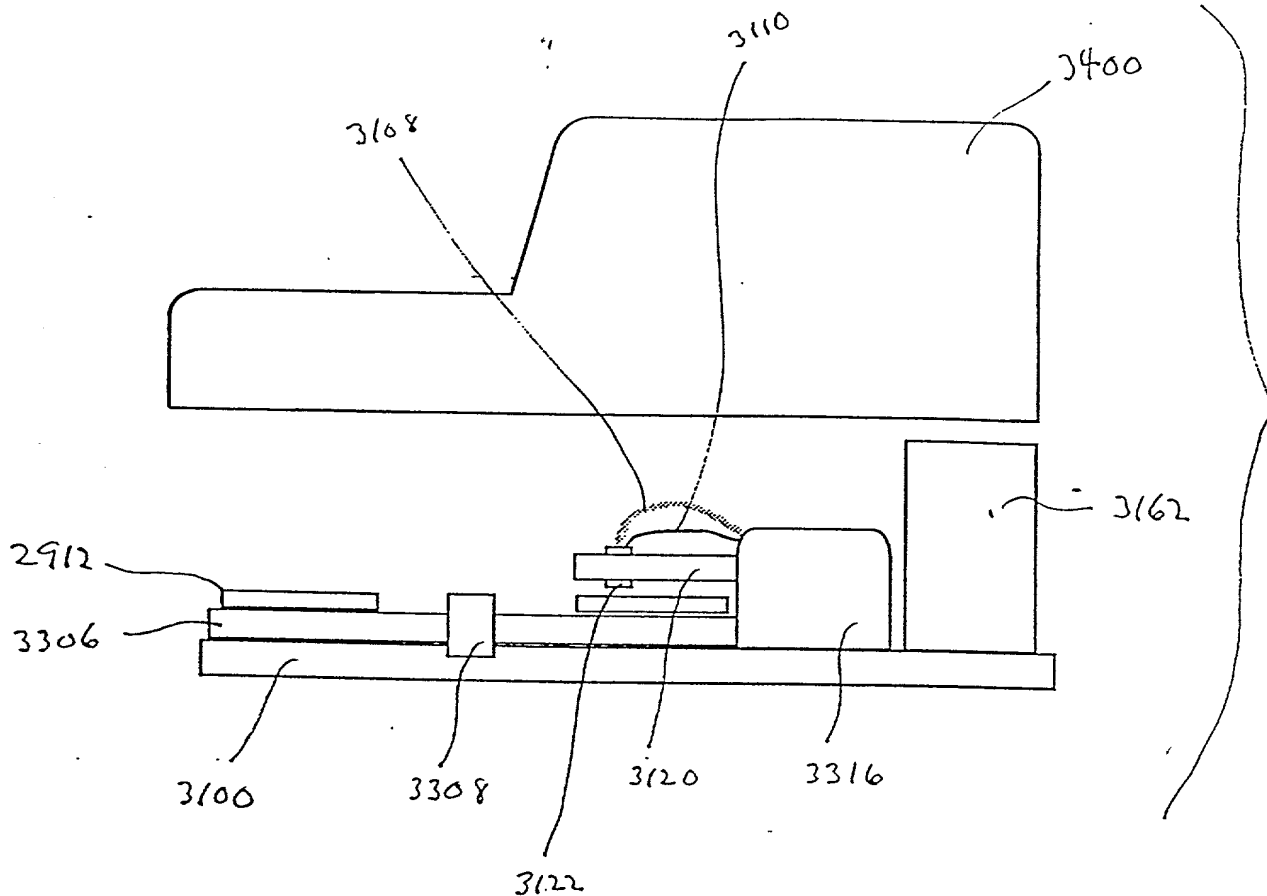
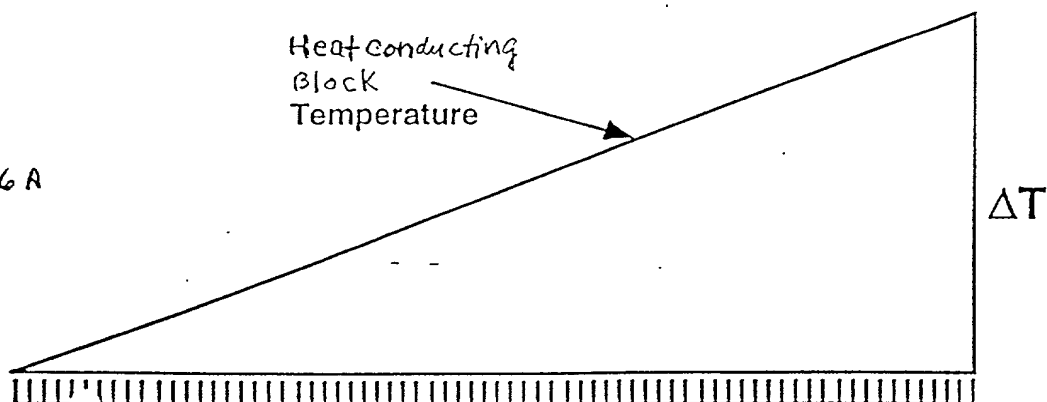


FIG. 36A



66 Seconds = 6 Reads + 6 Moves

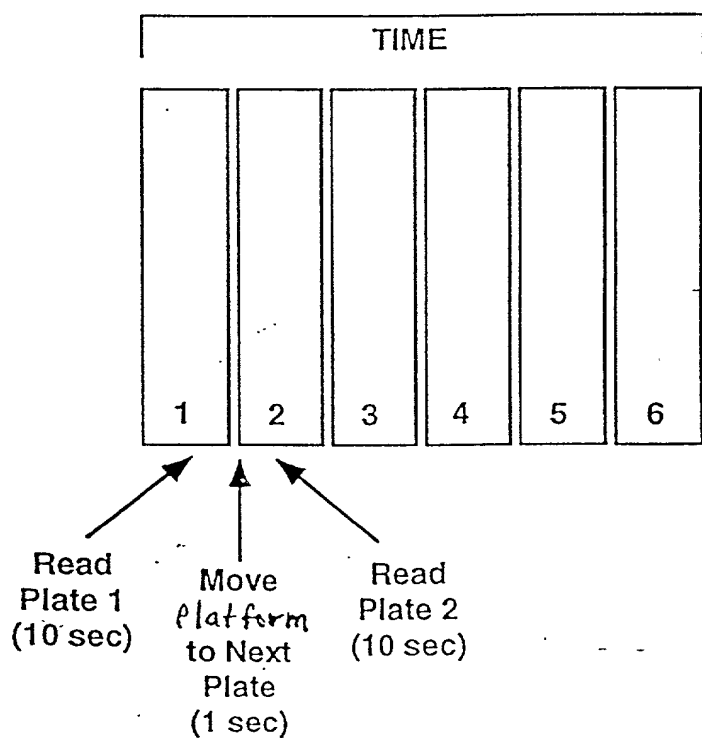


FIG. 36B

FIG. 37

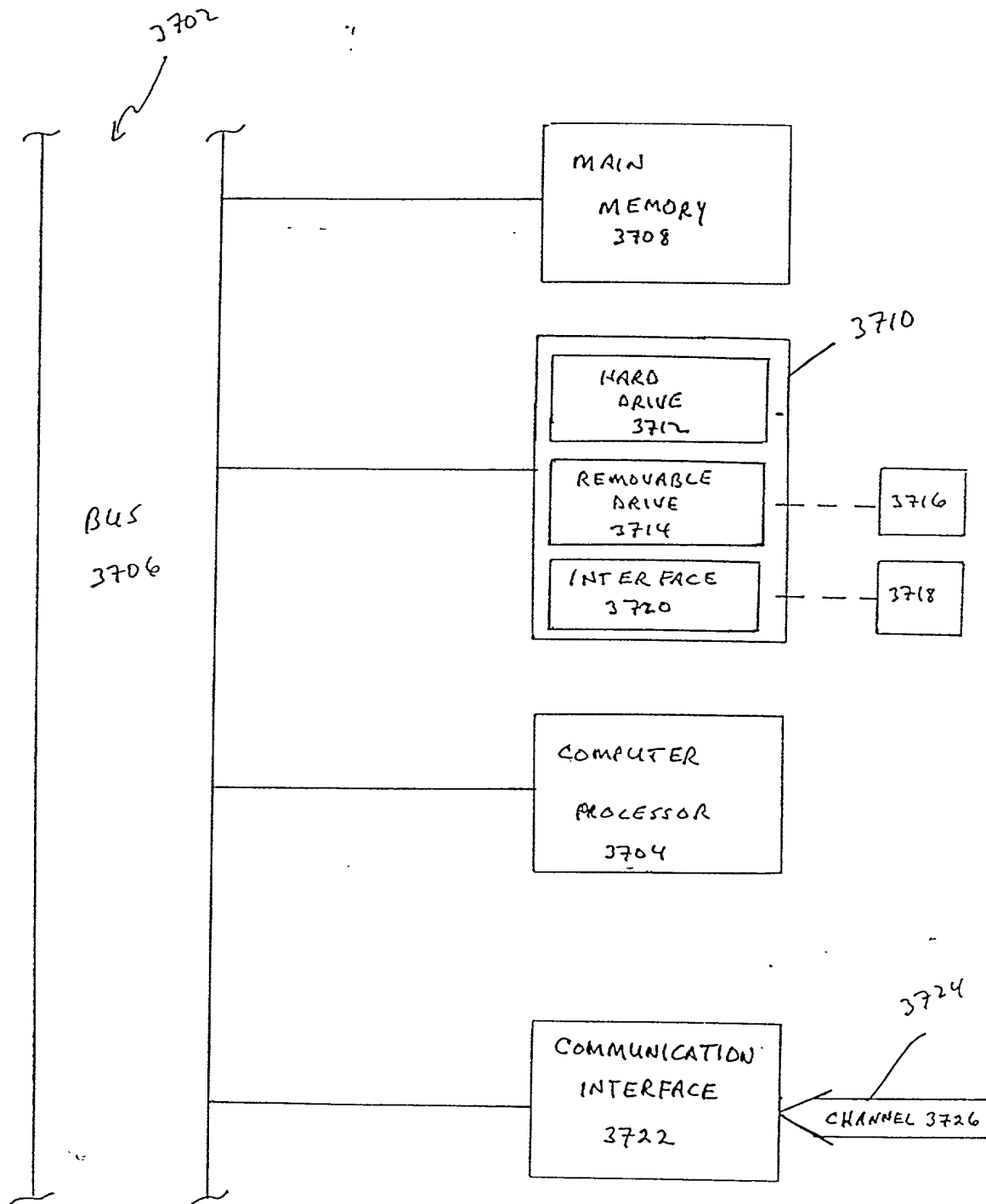
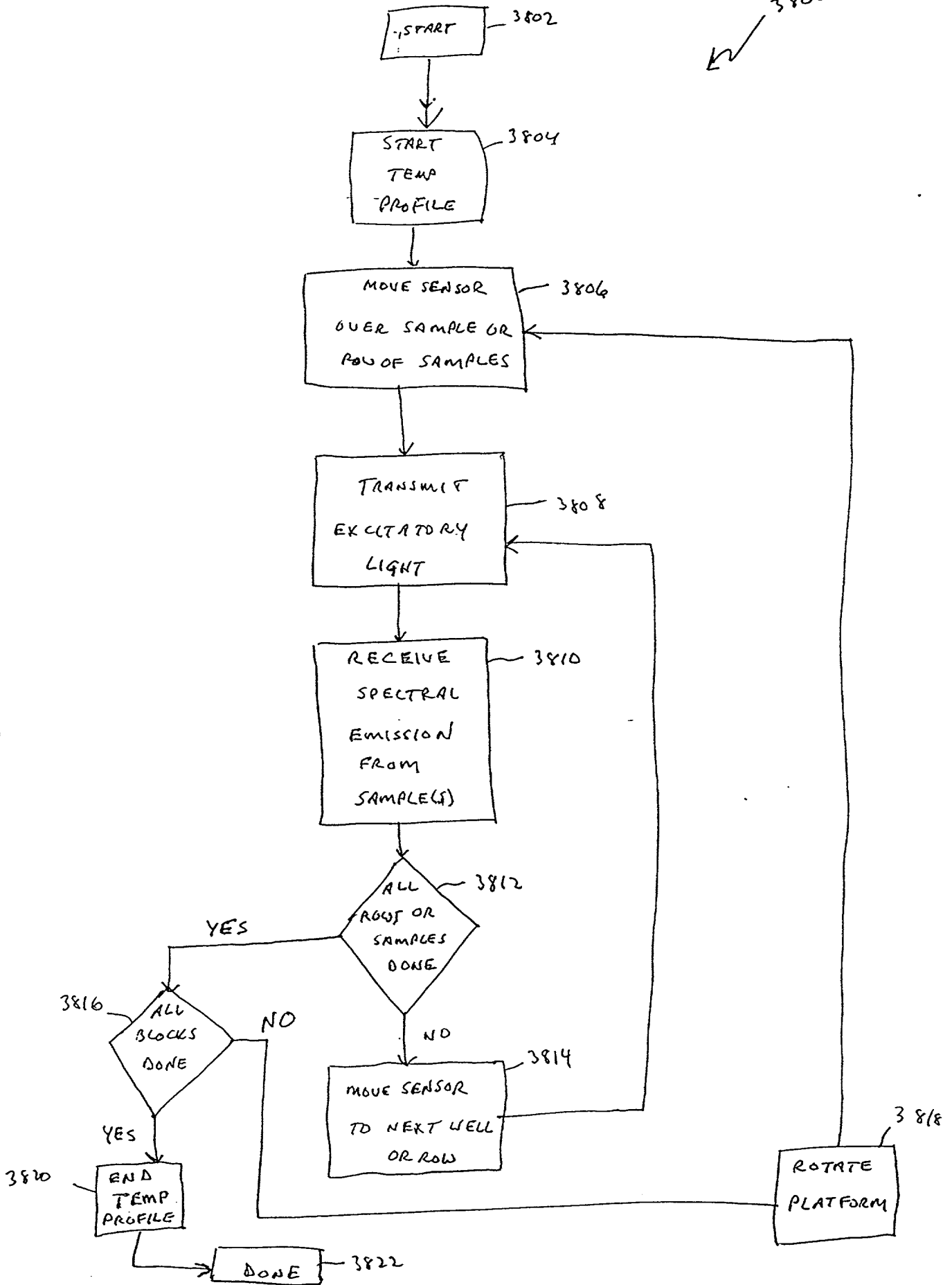


FIG. 38

3800



3500

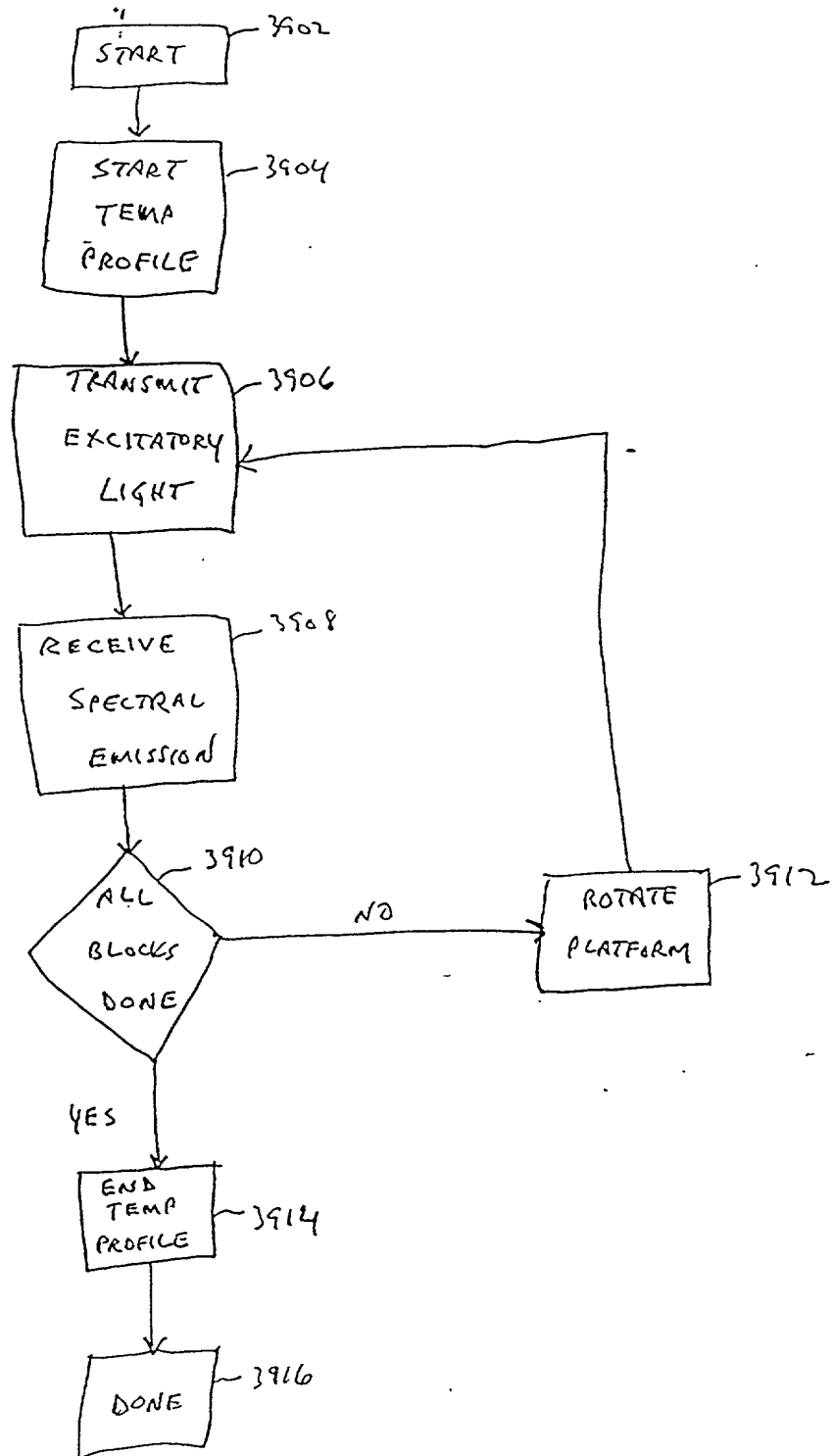


FIGURE 40

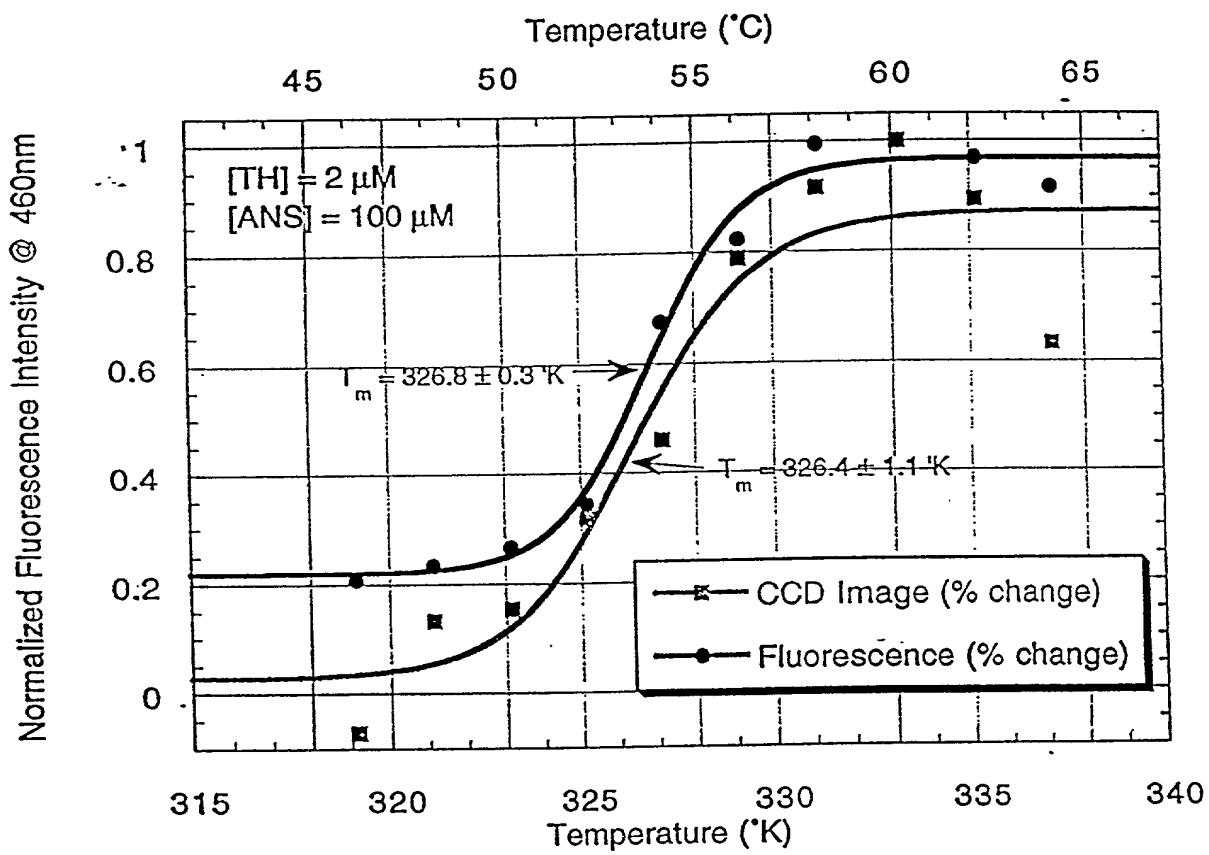
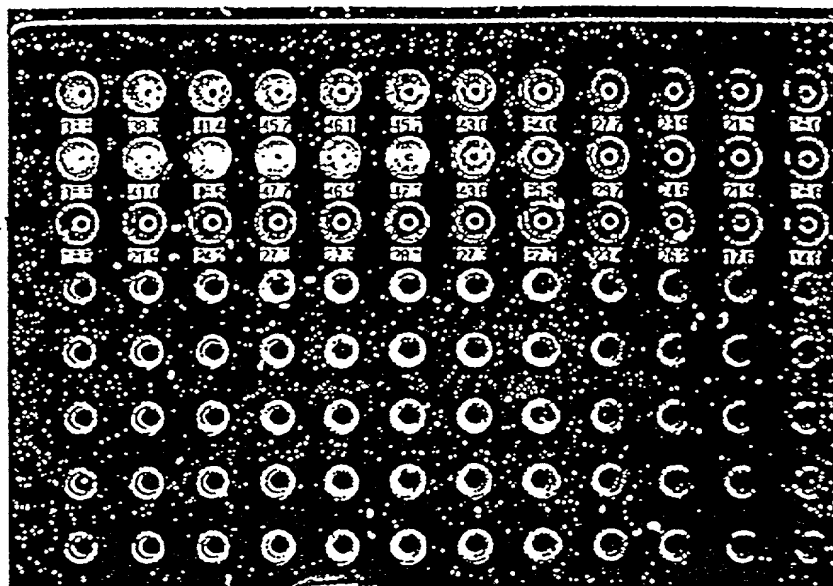


FIG. 41A

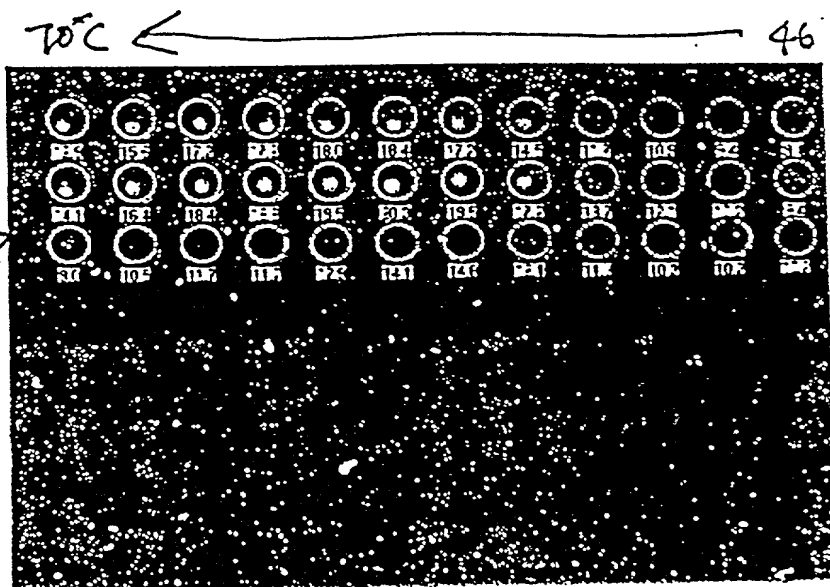
control →
RNA/protein



66°C ← 44

FIG. 41B

control →



70°C ← 46

09301676 0350334

FIGURE 42

